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**CHEMIST AND DRUGGIST**  
*for* RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

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JANUARY 8, 1944

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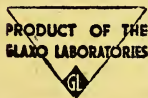
## A NEW CHOLECYSTOGRAPHIC MEDIUM

● Glaxo Laboratories present Pheniodol in granule form. Pheniodol is the name given by the General Medical Council to the new oral cholecystographic medium which has already received favourable mention in Continental medical literature, and has produced successful results during official clinical trials held in this country. The chemical formula is  $\alpha$ -phenyl- $\beta$ -(4-hydroxy-3; 5-diiodophenyl) propionic acid. Pheniodol Granules are not likely to produce unpleasant side effects, such as burning of the throat, nausea, and diarrhoea; firstly because the drug does not come in contact with the mucous membrane of the mouth and throat, and secondly because efficient dispersion aids absorption.

Pheniodol Granules therefore present the radiologist with an improved oral means of obtaining a trustworthy picture of the normal gall bladder, even under conditions which interfere with optimum intestinal absorption. The shadows obtained compare favourably with those produced by other cholecystographic media. Subsequent operations have shown that absence of shadow has been due to a diseased gall bladder. Dispensing is simplified as the granules require no preparation, being swallowed with the aid of drinks of water. Pheniodol Powder is also obtainable.

### P H E N I O D O L

**GRANULES:** Glass tubes each containing 3 g. of Pheniodol in about 6 g. of granules in packs of 1 and 8 tubes.  
Pheniodol Powder in bottles of 25 g.



GLAXO LABORATORIES LTD., GREENFORD MIDDLESEX.

BYRon 3434



# “OXOID”

The word “OXOID” is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.  
ORGANO-THERAPEUTICAL PRODUCTS

## OXO LABORATORY PREPARATIONS

For PERNICIOUS ANÆMIA

### OXO LTD'S LIVER EXTRACT

FOR INJECTION (I.M.)

A highly potent preparation for the treatment of pernicious anæmia.

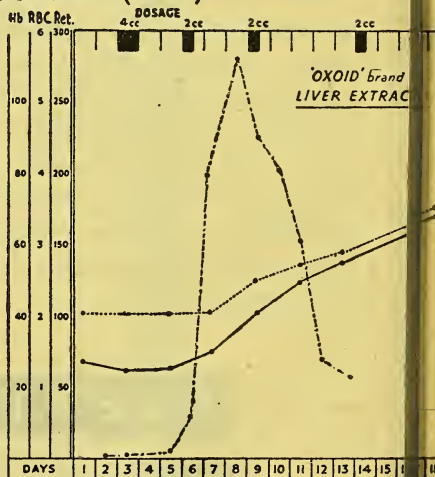
Dosage in emergency cases is 4 c.c. initial dose, followed by 2 c.c. at three days intervals in the first week and 2 c.c. at weekly intervals subsequently. This will usually raise the blood count to normal in a few weeks.

Maintenance dose: 2 c.c. monthly.

Supplied in ampoules of 2 c.c. and  
Bottles of 10 c.c. and 20 c.c.

Ampoules: 6 (6/6); 12 (12/6); 50 (48/-);  
100 (92/-).

Bottles: 10 c.c. (4/9); 20 c.c. (8/6).



KEY TO GRAPH.

- Haemoglobin per cent.
- Red blood corpuscles in millions.
- ..... Reticulocytes per 100 red cells.

Literature supplied on application.

**OXO LIMITED, Thames House, London, E.C.4**

★ OXO LABORATORY PREPARATIONS ★



*More farmers will be asking for*

# **EVANS** *Lamb dysentery* **SERUM**

Many farmers and stockbreeders already appreciate from practical experience the effectiveness of these products and the low cost, coupled with strong and consistent publicity in the farming press, are sure to create an increased demand.

*This is extra turnover put into your hands. Be prepared by placing your order for supplies now.*

## **EVANS LAMB DYSENTERY SERUM**

for inoculation of lambs as soon as possible after birth. Dosage 5 c.c.

Retail Wholesale

Containers of 50 c.c. 7/9 62/-

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Containers of 50 c.c. 3/9 30/-

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summarising war-time opportunities, special notices, new packaging and new products

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for Cosmetic and  
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in the same style—these  
make a distinctive pack that  
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*for underarm hygiene*

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PERSPIRATION**

You can sell "Spic" with confidence—it being made  
to specified B. of T. Formula  
(From all Wholesalers)

12/- and 20/- per doz. (Plus Tax)  
1/10 and 3/1 Inc. Tax)

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to-day rely  
on**

**Cephos**  
Pronounced See-foss  
THE PHYSICIANS' REMEDY

To save material Cephos Powders are no longer packed in 1/3 cartons but are supplied loose from the larger pack.

8 Powders or 16 Tablets, 1/3

21 " " 42 " 3/-

Single Dose, 2d.  
Including Purchase Tax

CEPHOS LTD., BLACKBURN

On

the  
PATA

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The regular advertisements now appearing in the National Press are bringing a greatly increased demand for Serocalcin

This is making a heavy call on our stocks and Chemists are invited to co-operate by ordering well in advance

**SEROCALCIN PREVENTS COLDS**

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Watford 4457



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A Penetrol display on your counter will ensure you getting your share of the public demand for this well-known proprietary.



W. B. CARTWRIGHT LTD.  
RAWDON :: LEEDS





**"I know it is difficult"**

**RENDELLS  
SILATEX  
SANTRON  
MENSINOLE**

Your customers continually ask for **SILATEX** and **SANTRON** and yet you cannot obtain sufficient supplies to meet the demand. We are doing our best to arrange distribution to wholesalers so that all Chemists obtain their fair share. The demand is ever increasing but the shortage of raw material is a matter we know you will understand.

There is no shortage of **RENDELLS** or **MENSINOLE** and all Wholesalers now have ample stocks, so continue to display Rendells Products for Feminine Hygiene. It creates new customers and gives confidence to regular users.

Special Chemists' Display Material is still available, so write to-day for a supply.

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**PATA**  
*For Feminine Hygiene*

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# INTERNATIONAL CHEM. CO. LD.

## STANDARD PARCELS

OWING to shortage of labour and packing materials (and in order to comply with the Government's demand for utmost economy), we have been compelled to restrict the direct supply of our four main products to pre-packed parcels only. To meet the requests of a number of our customers, we have recently revised our original parcels to the contents shown below. Retailers requiring assortments other than these can obtain from their Wholesalers.

The minimum for a direct order remains at £5, which can be made up by parcel 'A'; or by any two of parcels 'B' to 'O'; or by any one of 'B' to 'O' plus a selection of our other preparations, such as Alkia Saltrates, Bisuroids, Nemakol and Nemolin. Toilet lines may also be included to the value of your quota.

Co-operation allowances: On orders of £5.....7½% £10.....10%

<b>A</b>	1 doz. 1/5 Bismag Powder ...	12 0
	½ " 2/10 " ...	12 0
	2 " 1/5 " Tablets ...	1 4 0
	1 " 2/10 " ...	1 4 0
	1 " 1/9 Pineate Honey Cough-Syrup ...	13 9
	1 " 2/3 Limestone Phosphate ...	18 0
	1 " 1/5 Freezone Corn Remover ...	11 3
		<u>£5 15 0</u>
	Purchase Tax on all goods and on bonus ...	1 1 1
		<u>£6 16 1</u>

<b>B</b>	3 doz. 1/5 Bismag Powder ...	1 16 0
	1 " 2/10 " " ...	1 4 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus ...	11 8
		<u>£3 11 8</u>

<b>C</b>	3 doz. 1/5 Bismag Tablets ...	1 16 0
	1 " 2/10 " " ...	1 4 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus ...	11 8
		<u>£3 11 8</u>

<b>D</b>	1 doz. 1/5 Bismag Powder ...	12 0
	2 " 1/5 " Tablets ...	1 4 0
	1 " 2/10 " " ...	1 4 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus ...	11 8
		<u>£3 11 8</u>

<b>E</b>	1 doz. 1/5 Bismag Powder ...	12 0
	½ " 2/10 " ...	12 0
	2 " 1/5 " Tablets ...	1 4 0
	½ " 2/10 " " ...	12 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus ...	11 8
		<u>£3 11 8</u>

<b>F</b>	1 doz. 2/10 Bismag Powder ...	1 4 0
	1½ " 2/10 " Tablets ...	1 16 0
		<u>£3 0 0</u>
	Purchase Tax on above and on bonus ...	11 8
		<u>£3 11 8</u>

<b>H</b>	1½ doz. 1/5 Bismag Powder ...	18 0
	3 " 1/5 " Tablets ...	1 16 0
		<u>£2 14 0</u>
	Purchase Tax on above and on bonus ...	10 6
		<u>£3 4 6</u>

<b>J</b>	2 doz. 1/5 Freezone Corn Remover ...	1 2 6
	1 " 2/3 Limestone Phosphate ...	18 0
	1 " 1/9 Pineate Honey Cough-Syrup ...	13 9
		<u>£2 14 3</u>
	Purchase Tax ...	9 0
		<u>£3 3 3</u>

<b>K</b>	4 doz. 1/9 Pineate Honey Cough-Syrup ...	2 15 0
	Purchase Tax ...	9 2
		<u>£3 4 2</u>

<b>L</b>	6 doz. 1/5 Freezone Corn Remover ...	3 7 6
	Purchase Tax ...	11 3
		<u>£3 18 9</u>

<b>N</b>	2 doz. 1/5 Freezone Corn Remover ...	1 2 6
	2 " 1/9 Pineate Honey Cough-Syrup ...	1 7 6
		<u>£2 10 0</u>
	Purchase Tax ...	8 4
		<u>£2 18 4</u>

<b>O</b>	3 doz. 2/3 Limestone Phosphate ...	2 14 0
	Purchase Tax ...	9 0
		<u>£3 3 0</u>

Above consumer prices include Purchase Tax

**BONUS TERMS:** 14 to the dozen on 'Bisurated' Magnesia Powder and Tablets in return for fourteen days' window display. 'Bisurated' Magnesia Powder—Bonus in Mint Powder. 'Bisurated' Magnesia Tablets—Bonus in Tablets.

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Trade Price List available on application



*All Technical Enquiries should be addressed to:*

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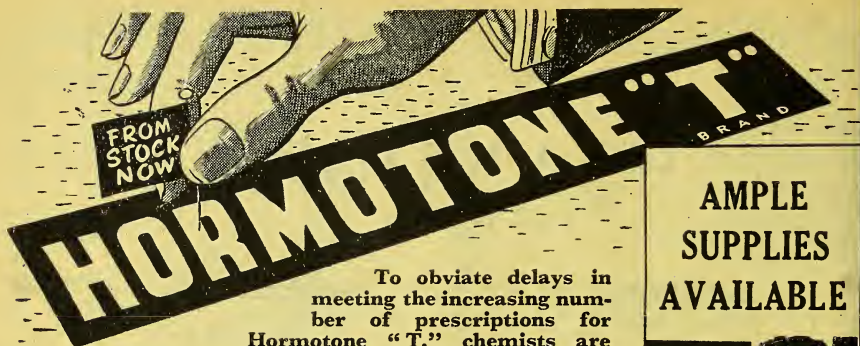
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*Specially processed from the finest*

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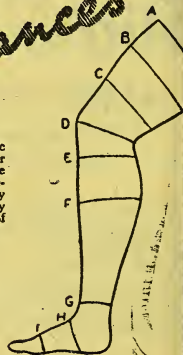


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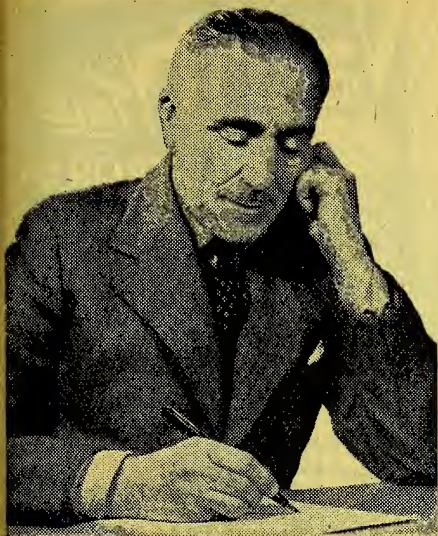
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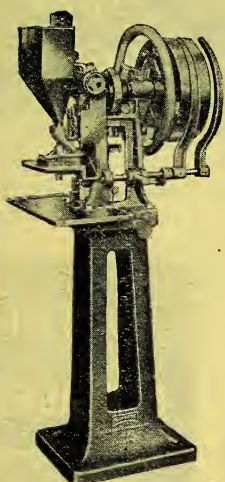
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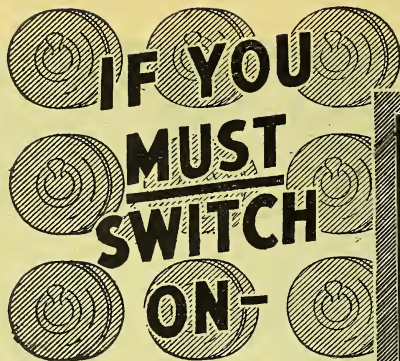
  
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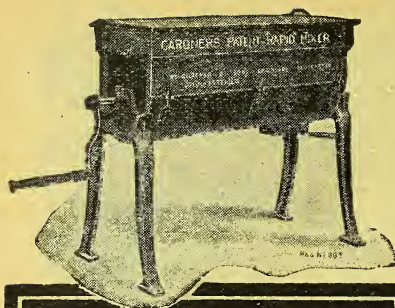
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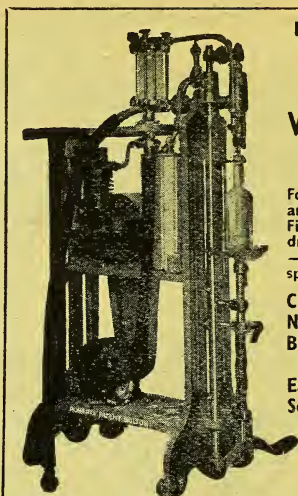


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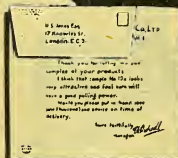
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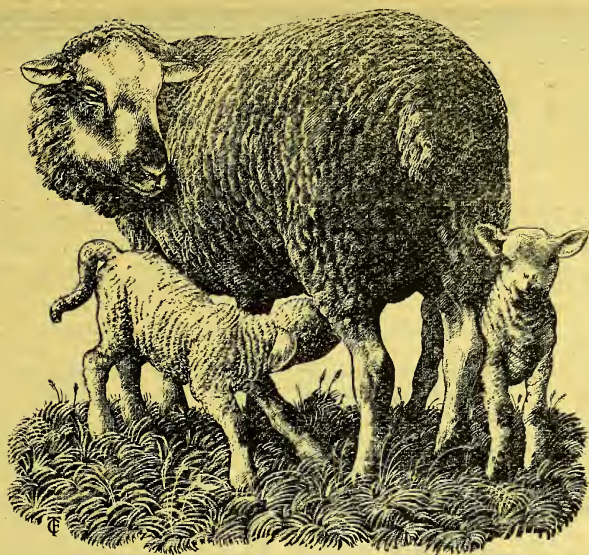


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## NEWS OF THE WEEK

**Trading with the Enemy.**—By the issue of the Trading with the Enemy (Specified Persons) (Amendment) (No. 17) and (No. 18) Orders, which are now available (S. R. & O., 1943, Nos. 1672 and 1734), the Board of Trade consolidates existing Specified Persons Orders and notifies changes in the list of traders abroad with whom it is unlawful to have dealings.

**Raw Materials Guide.**—The Ministry of Supply has issued a second supplement to its "Raw Materials Guide" (C. & D., March 13, 1943, p. 275). The supplement contains summarised references to further Statutory Rules and Orders that have been issued since publication of the previous supplement. There has been a further redistribution of commodities among the branches, but there are no new controls.

**Purchase Tax Liability Decisions.**—The following decision regarding the liability of certain articles to tax is published as supplementary to those already given in Notice No. 78B. To the list of simple drugs, etc., not chargeable with tax unless put up

for medicinal or veterinary use, are added nicotinamide, riboflavine and wool alcohols, all from the B.P., Sixth Addendum. Nicotinamide and riboflavine are regarded as put up for medicinal use only when presented for injection.

**Warning About Nicotine Dressing.**—The Ministry of Agriculture has issued to farmers a warning that the use of a warble-fly dressing composed of nicotine sulphate and hydrated lime, as recommended by the Ministry at the beginning of 1943, may involve a certain risk to the animals. During the past season a few instances occurred in which cattle showed signs of poisoning, with an occasional death. Some cases may have resulted from too lavish use of the material, but it is thought probable that some of the animals were affected as a result of abnormal susceptibility to poisoning by nicotine. The Ministry points out that for the present no entirely satisfactory alternative dressing is available.

**Report on Chemical Education.**—The Chemistry Education Advisory Board of



the Royal Institute of Chemistry has recently published a report in which it warns against the danger of misdirection of young people into one of the three types of secondary school envisaged in the White Paper on education. Recruitment for the higher branches of the chemical profession, it points out, is mainly through the Universities and higher technical colleges, and it is important that all who give promise of rising to the higher grades should enter a school where the curriculum leads naturally to a university or higher technical college.

**Blackpool's War-aid Contributions.**—Chemists in Blackpool and district have subscribed £641 to the Pharmaceutical Society's War-aid Fund.

**Inquests.**—At an inquest at Oxford, recently, a verdict that death was due to an overdose of sodium cyanide, self-administered while the balance of his mind was disturbed, was returned on Richard Fleeman, a twenty-one-year-old student.

**In the Courts.**—At Widnes police court, on December 23, 1943, Edward Whitfield, Alford Street, Widnes, was remanded on bail until January 6 on charges of stealing 645 lb. of mercury, valued at £612 15s., the property of Imperial Chemical Industries, Ltd. Whitfield, who was employed by the company, said he had received £500 in cash and cheques for mercury he had sold.

**Nottingham Branch Dance.**—At a Christmas tea-party and dance held recently by the Nottingham Branch of the Pharmaceutical Society upwards of seventy members and friends took part, and a collection on behalf of the Society's Benevolent Fund realised £66. Mr. W. Lee presided.

**Dublin Smash-and-grab.**—Between the night of December 20 and morning of December 21, 1943, the plate-glass window of the pharmacy of Mr. P. Slattery, M.P.S.I., 162 Parnell Street, Dublin, had a square cut out of it with a diamond and a number of valuable miniature cameras, exposure meters, and other photographic goods to the value of over £160 stolen.

**Edinburgh Influenza Arrangements.**—Edinburgh Public Health Committee, in consultation with other Committees of the Town Council, is meeting the request made by the Secretary of State for Scotland that local authorities should make emergency arrangements to aid households that may become stricken in an influenza epidemic. The scheme has been circulated to Red Cross and Civil Defence organisations, the Women's Voluntary Services and other

bodies in the city before discussion at a joint meeting. Representatives of the Pharmaceutical Society and other bodies have offered to co-operate in carrying out the Committee's policy.

**Irish Drug Association.**—Mr. F. X. Meagher (president) was in the chair at the December 1943 meeting of the committee of the Irish Drug Association. A vote of sympathy was passed to the widow and family of Walter Magill (formerly manager of Kodak, Ltd., Ireland). Sympathy was also expressed with Mr. R. J. Kidney and family on the death of his sister. It was reported that all products manufactured by Fitzgerald & Co., Ltd., Temple Lane, Dublin, were now included in the approved list. January 17 was fixed as the date of the annual meeting. It was pointed out that the annual subscription of £2 2s. is now due and that no member is entitled to vote at the annual meeting, or to receive a copy of the new 1944 price list, which will be ready in January, until his subscription is paid. Members are reminded that notification has been issued by the Department of Supplies that it is not necessary for holders of sugar permits to make application for a sugar manufacturers' permit. The existing form remains valid until further notice. A protest was lodged against the action of the Dublin wholesalers in closing over the Christmas period until December 29, the Committee considering that such closing would cause great inconvenience to members. The need for salvage of empty tooth paste and cream tubes was again emphasised, and members were urged to ensure that they received an empty tube for every full tube sold; manufacturers will credit members on the basis of four new tubes for every three tubes returned. Returns should be made in lots of not less than three dozen where possible.

**New Year Honours.**—Among persons honoured by the King in the New Year list, recently published, are the following:—*Knights Bachelor*:—Mr. Ernest Herbert Cooper, chairman and managing director of Gillette Industries, Ltd., and late Industrial Adviser to the Ministry of Commerce and Production, Northern Ireland; Professor Jack Cecil Drummond, Scientific Adviser to the Ministry of Food; Mr. John Jacob Fox, Government chemist; Professor Francis Richard Fraser, Director general of the Emergency Medical Service; and Mr. John Gibb Nicholson, deputy chairman of Imperial Chemical Industries, Ltd.; *Knight of the Order of the British*

*Empire*.—Mr. John Crompton Wrigley, Joint Deputy Secretary to the Ministry of Health. *Commanders of the Order of the British Empire*.—Mr. W. A. Akers, a director of research at the Department of Scientific and Industrial Research; Lieutenant-Colonel E. Briggs, president of the Soap and Candle Trades Employers' Federation; Mr. A. N. Drury, until recently a member of the scientific staff of the Medical Research Council; Mr. W. H. Glanville, a director of research at the Department of Scientific and Industrial Research; Mr. W. J. Hasselkus, chairman and managing director of Ross, Ltd., manufacturers of optical apparatus; Mr. W. Nairn, president of the Royal College of Veterinary Surgeons; and Professor S. A. Smith, chairman of the Scottish Central Medical War Committee.

**New Polishes Order.**—The Board of Trade announces that the Limitation of Supplies (Polishes) (No. 4) Order, 1943 (S.R. & O., 1943, No. 1733), which supersedes the Limitation of Supplies (Polishes) (No. 3) Order, 1943, is now on sale. This Order continues the existing control on the supply of polishes containing wax (including any mineral wax) for a further period of six months. The main changes in the new Order are as follows:—

(1) Permitted polishes, i.e. polishes for floors, furniture, footwear and leather have been divided into two classes: (a) Ancillary polishes, such as are commonly used in the manufacture or repair of leather or footwear, and other leather goods; and (b) domestic polishes. Registered manufacturers may supply permitted polishes of either class to a value not exceeding 50 per cent. of their supplies of polishes of that class during the standard period (which is June 1, 1939, to November 30, 1939, as before), or to a total value of £250 for both classes, whichever is the greater. The prohibition on the supply of all other kinds of controlled polishes remains in force. (2) Persons from whom materials for the manufacture of polishes are ordered must obtain from their customers who are not registered manufacturers, a declaration that they are entitled to supply polishes of their own manufacture before any materials are supplied, but only one such declaration need be obtained from each purchaser. Materials for the manufacture of polishes may now also be sold to any person who has given a written declaration that he carried on a business of supplying such materials wholesale immediately before September 1, 1943. (3) All declarations received and records kept for the purposes of this Order must be retained for at least eighteen months.

Copies of the Order are obtainable through any bookseller or newsagent, or on order direct from H.M. Stationery Office, York House, Kingsway, London, W.C.2.

**Distribution Difficulties in Glasgow.**—A correspondent writes: A misunderstanding arose recently in Glasgow as a result of temporary difficulties in connexion with the supply of orange juice and other "welfare" foods. Many Glasgow mothers, in response to the appeal to avail themselves of this service, applied to the distribution centres in the city for their priority supplies, and found that supplies were not available. One Glasgow mother voiced the opinion of many when she complained that on eight consecutive occasions no orange juice was available when members of her family made application at the local Food Office. Mr. A. M. Riddet (deputy food executive officer, Glasgow) stated recently that inability to supply orange juice was not the result of lack of foresight on the part of the Food Office. The requisition for supplies was always sent four weeks in advance of the date when they were required, but for some reason the Ministry of Food had been unable recently to deliver.



**"JA, that man Churchill uses a code, M. and B.—and that means More on Berlin."—By Gittins.**

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## LEGAL REPORTS

**Pharmacy Act Cases.**—At Yarmouth police court, on December 1, 1943, Arnolds, Ltd., 181 King Street, were fined 10s. and costs on each of four summonses under the Pharmacy Act. The charges were in connexion with sales of Anestan tablets and ointment.—At Cromer, recently, F. Ruff, Ltd., chemists, Church Street, were fined a total of £5 with 12s. costs. Two fines of £1 were imposed on two charges of selling a substance containing a poison without the supervision of a registered pharmacist, and a fine of £3 was imposed for using the title of chemist when not registered as such at the date of sale.—At Thames police court, recently, William Shadforth, Ph.C., governing director of Shadforth Prescription Service, Ltd., 63 Grove Road, Bow, was fined £20 and costs, and the company was fined a further £20 and costs, for advertising tablets as a cure for epilepsy contrary to the Pharmacy and Medicines Act, 1941. Mr. Shadforth pleaded not guilty. The Pharmaceutical Society's evidence was that defendant edited and wrote a magazine which he published, in which appeared an article on the symptoms of epilepsy; in mentioning cures this referred to Shadforth's own preparation, explaining its composition.

**Arsenic Content of Gelatin.**—For selling to Messrs. F. Ballance, Ltd., High Street, Stratford-on-Avon, gelatin that was not of the quality demanded by the purchaser, Theresa Alice Husbands, of 7 Woodland Terrace, Stanibek, Leeds, trading as Peters' Patent Powder Works, was at Stratford-on-Avon court recently fined £5 with £4 19s. costs. Mr. S. C. Warden appeared for the defence, and pleaded "guilty." Mr. R. M. Willis, prosecuting, said there was no suggestion that Messrs. Ballance, Ltd., were in any way to blame; in fact, it was owing to their care that the matter had come to light. Mr. Willis added that the product contained four times as much arsenic as it should have done. The firm had pointed out that they were not the manufacturers, but the Act provided that they could have the other person brought before the court. That had not been done. The label on the article stated that it was superior ground gelatin, guaranteed pure. For the defence, Mr. Warden said he had only an interrupted telephone conversation with the defendants, and was told that all the papers would arrive that morning, but they had not arrived. He was

informed that the firm had been in existence many years, and that was the first time any charge had been brought against them. They sold the article exactly as they bought it. The difficulty had arisen by reason of the war. It had been necessary to import hides, and before being sent they were treated with arsenic against some kind of fly. The persons who dealt with them here had to do their best to wash out the arsenic before the hides were used for manufacturing purposes. He was informed they had withdrawn the whole of the stock.

## PHARMACEUTICAL COUNCIL CANDIDATES

At the monthly meeting of the Pharmaceutical Society of Great Britain, held in London on Wednesday, January 5, the Registrar reported that forty-four members were nominated as candidates for the Council and that four had not accepted. The forty candidates were as follows:—

Armitage, George Henry, East Barnet  
Atkinson, William, London  
Barrs, Percy, London  
Benjamin, William Sidney, Sutton  
Bowerman, Ernest James, Torquay  
Brocklehurst, Eric Arthur, Hull  
Connolly, Frederick Henry, London  
Eccles, Emeric Alfred, Oswaldtwistle  
Foster, Bernard, Hull  
Gilmour, Andrew Brown, Glasgow  
Gilmour, John, Liverpool  
Goodall, John Edward, London  
Hayward, Leonard, London  
Heseltine, Thomas, Normanton  
Holmes, Hugh, Torquay  
Islip, Mary Cater, Harrow  
Jackson, Robert Ernest, Whitley Bay  
Kelly, Bernard M., Liverpool  
Laws, John Joseph, London  
Mawer, George Robert Knox, Wrexham  
Matthews, Leslie Gerald, London  
Melhuish, Andrew Ralph, London  
Murray, Ronald Macdonald, Middlesbrough  
Owen, Eirwyn, Bangor  
Parry, Lewis Moreton, Liverpool  
Phillips, Benjamin Dunnill, Barnet  
Phillipson, William Edmund, Manchester  
Reid, Thomas, Oxford  
Ridehalgh, Harry, Boscombe  
Royal, Frank Bertie, London  
Shaw, Granville, Long Eaton  
Shinner, John Edward, Totnes  
Steinman, Harry, Manchester  
Teesdale, James, Edinburgh  
Tydeman, Samuel George, Bristol  
Wells, Frederick George, London  
Wilkinson, Jack, Shipley  
Wompra, Arthur Ardwell, Leicester  
Yeates, Charles John, Plymouth  
Young, James Clements, London

## TOPICAL REFLECTIONS

### New Year Greetings

The twenty-nine messages of greeting from representatives of organisations in or associated with pharmacy (pp. 6-12, 26) are a timely encouragement to all of us on entering, as it is hoped, the last year of the European part of the war. Till we are in a position to hand over some of our duties to members of the Forces on their return to civilian life, it would be highly dangerous to relax our efforts: on the contrary, there must be a firm determination to increase, if possible, our grip on the situations that will arise individually and nationally. The tone of your correspondents' messages is confident without any trace of boasting, and without minimising the difficulties of the period of transition that will follow the conclusion of hostilities. Essentials are recognised by them in relation to external as well as to internal trade. The development of British trade on an adequate scale, as Mr. Victor Blagden remarks, can only be achieved if the necessary scope for initiative is restored to our merchant organisations: it may be hoped that this truth will sink in where it is most needed. The particular requirements of retailers in pharmacy are clearly indicated by Mr. Donald W. Hudson and Mr. Charles A. Buick. Mr. Hudson asks them to take a more active interest in the affairs of their calling, to work in unity, to negotiate, to educate—a comprehensive outline for a programme; and Mr. Buick suggests that pending the publication of the White Paper on health services they must be "mending [their] nets."

### "External, Detached, Supernatural"

It would be difficult to compress more perverse thinking into three words than is to be found in the statement cited by you—a statement, of course, far from according with your own view—that science is "external, detached, and even supernatural" (p. 18). In your issue of September 3, 1938, you published an article based on a contemporary correspondence between scientists and people with an exclusively classical education; and by way of introducing the subject you summarised the history of the word "science." It was shown that, from the general meaning "the state or fact of knowing," the word gradually acquired its present connotation. In my limited space I confine myself to the brief modern definition given in the "Encyclopædia Britannica": "Ordered

knowledge of natural phenomena and of the relations between them. . . ." Having that or any similar definition to work with, I cannot for a moment agree that there is anything detached or supernatural in the tenets of science. The use of "external" in this connexion is permissible if, but only if, it is related to the conception (a commonplace of metaphysics) that the real nature of things escapes us. To a man of science who has spent the greater part of a lifetime in getting closer to the inner meanings of the problems in his selected field of work, it must seem a childish mockery to designate that field detached or supernatural.

### Snuff

A recommendation of snuff by a distinguished surgeon as a prophylactic against colds has appeared in the Press during more than one recent winter. Although the earliest date in the Oxford English Dictionary for the mention of this commodity is 1683, Raymond's "Itinerary," published in 1648, refers to the use of a perfumed article of this type in Italy. Possibly the introduction of plain and perfumed varieties into England was due to courtiers of Charles II, some of whom may have acquired the habit of snuff-taking in France. However that may be, the habit rapidly became fashionable after the Restoration and eventually spread to all classes. In the early years of the next century the newspapers had frequent references to quaint incidents connected with the snuff-box. In "The Spectator," for instance, a contributor related that while at church a lady detained a churchwarden on his round with the offertory box by inviting him to take a pinch of snuff. Another number of the same paper contained an advertisement announcing lessons in "the Exercises of the snuff-box . . . rules for offering snuff . . . according to the degree of familiarity or distance; with an explanation of the careless, the scornful, the politic, and the surly, pinch, and the gestures proper to each of them." In those days tobacco leaves were sometimes sold in tightly rolled bundles, to the end of which the customer applied his own rasp: Swift, in one of his "Stella" letters, mentions "a fine snuff-rasp of ivory." To obviate dipping fingers into the box a small spoon was used. The will of a Mrs. Thomson, who died in 1776, directed that snuff be placed in her coffin, and provided for a lavish distribution of it at her funeral.

**Xrayser**



## TRADE NOTES

**Roche News.**—The Welwyn Garden City company report on various products of their manufacture in this issue.

**Non-poisonous Antiseptic.**—A product of this character, "Dengerm," is offered in this issue by Dengerm, Ltd., London, S.E.1.

**Self-emulsifying Waxes.**—Suitable for toilet and pharmaceutical purposes, Cyclo Chemicals Ltd., Manfield House, London, W.C.2, offer Cyclochem.

**Bonus Terms Altered.**—Aspro, Ltd., Slough, Bucks, announce temporary changes in their bonus terms as from January 1. Details are given in this issue.

**Actron Brand Cachets.**—Wilcox, Jozeau & Co., Ltd., 74-77 White Lion Street, London, N.1, have available war-time substitutes for a well-known Continental proprietary medicine.

**Veterinary Products.**—Country pharmacists in particular will be interested in the dysentery serum and whole culture vaccine advertised in this issue by Evans Sons Lescher & Webb, Ltd., Liverpool.

**Packing Change.**—The British Drug Houses, Ltd., London, N.1, announce that, as from January 1, Multivite is being issued in metal containers of seventy-five instead of in bottles of fifty pellets.

**Assisting the Forces.**—Stafford Allen & Sons, Ltd., Wharf Road, London, N.1, point out that supplies of their pyrethrum are priority to the Forces. Meanwhile the company's research department has not been idle.

**Limited Supplies.**—Johnson & Johnson (Great Britain), Ltd., Slough, Bucks, ask their customers not to write in for supplies of their baby products or Tek toothbrushes. Quantities allocated to customers will be advised in due course.

**Co-operation in Distribution Requested.**—H. W. Carter & Co., Ltd., The Old Refinery, Bristol, 2, ask retailers to limit their orders to small quantities of Ribena black-currant syrup, in order to assist them in meeting the national demand.

**Showcards Available.**—Howards & Sons, Ltd., Ilford, near London, have for disposal to pharmacists a limited supply of showcards, printed in colours, of the Bateman series: "The man who doubted if Howards' Aspirin was best." Size 17 in. x 10 in.

**C.F. Symbols.**—Stereos of the new C.F. symbol, in three sizes, are available for use in their advertisements to manufacturer members of the C.F.A., who are asked to make arrangements for its incorporation in their publicity in THE CHEMIST AND DRUGGIST.

**Horticultural Products for 1944.**—May & Baker, Ltd., Dagenham, Essex, are recommending chemists to check their stocks and book orders now for their specialities: Cyclosan 4 per cent. calomel dust, a treatment for control of clubroot, onion fly and cabbage-root maggot; and Seradix root-forming hormone. Details of packages and terms are given on another page in this issue.

### Business Changes

**TIMOTHY WHITES & TAYLORS, LTD.,** are taking over control of J. Salmon & Son, Ltd., merchants, London. Mr. H. S. Salmon will continue active management of the firm. Messrs. Taylors, who recently opened a branch at 11 Mutley Plain, Plymouth, in property formerly occupied by a tobacconist, have now acquired the premises of a wine and spirit merchants at No. 9 Mutley Plain.

### Proprietary Articles Trade Association

**Additions to Protected List.**—*The British Drug Houses, Ltd.*: Multivite Pellets, tin containing 75 pellets, 4s. 6d.; 36s. doz. Exempt. *A. Wander, Ltd.*: Formitrol Pastilles, new size container of twenty tablets, 1s.; 9s. doz. inclusive retail price, 1s. 1½d. The manufacturers have decided to retain the existing size bottle containing thirty tablets, retailing at 1s. 8d., including tax.

**Alterations.**—*Evans Sons Lescher & Webb Ltd.*: Ephregel Nasal Jelly, 1s. 7d.; 13s. doz. i.r.p. 1s. 9d. *J. Tozeau Saunders Preparation* (Agents: *Buller & Crispe*): Increased prices—January 1, 1944, Ninona Cold Cream, in jars 10½d.; 7s. 6d. doz.; tax, 7s. 6d., i.r.p. 1s. 6d. Price for three-dozen lots withdrawn. Ninon Nursery Powder, 10½d., 7s. 6d. doz.; tax 7s. 6d. i.r.p. 1s. 6d.

**Deletions.**—*The British Drug Houses, Ltd.*: Analgesic Cream; Beach Lotion and Cream Buxton Liver Salt; Carbonic Acid Baths Duogen; Ficolax; Kalosan Tooth-paste Multivite Pellets (bottles of fifty); Otang Cream; Radio Malt (9s. 9d. size); Uro Hexoids *E. C. DeWitt & Co., Ltd.*: Otis Tonic Tablets *J. G. Ingram & Son, Ltd.*: Omega Breas Relievers. *Leslie Martyn, Ltd.*: "Martolia Blood Purifying Tablets, and "Martolax."

## COMPANY NEWS

**HORBURY DRUG CO., LTD. (P.C.).**—Capital £1,000. Chemists, druggists, etc. Geo. E. Booth, M.P.S., and Mrs. Louisa Booth, directors. R.O.: 43 Kirkgate, Wakefield.

**R. C. DAVENPORT, LTD. (P.C.).**—Capital £1,000. Chemists, druggists, opticians, etc. Sarah J. Davenport and Charles W. E. Holden, directors. R.O.: 36 London Road, Bromley, Kent.

**DOBSON & STEINER, LTD. (P.C.).**—Capital £5,000. Manufacturers of and dealers in chemicals, medicines, soaps, toilet requisites, etc. Rodney T. Dobson and Herman A. Steiner, directors. R.O.: 8 Grosvenor Street, London, W.1.

**R. A. SHARP (CHEMISTS), LTD. (P.C.).**—Capital £1,000. Consulting, analytical, manufacturing, pharmaceutical and general chemists, etc. Frank W. Dunnett and William G. Carter, M.P.S., directors. R.O.: 72 High Street, Uxbridge.

**WILLIAM ORR (ARMAGH), LTD. (P.C.).**—Registered in Belfast. Capital £3,000. To acquire the business of druggists and photographic and radio stockists, etc., carried on as William Orr, of Thomas Street, Armagh. R.O.: 20 Thomas Street, Armagh.

**NORMAN BEST, LTD. (P.C.).**—Capital £2,000. To acquire the business of a pharmaceutical and general chemist carried on by Norman Best at 17 Manningham Lane and 227 Wrose Road, Bradford. First directors to be appointed.

**C. BIRTWISTLE, LTD. (P.C.).**—Capital £1,000. To acquire the business of a chemist and druggist carried on by the late Joseph Eyles at 155 Whalley Old Road, Blackburn. Mrs. Cissie Birtwistle, Joseph L. Smalley and Elsie Hargreaves, M.P.S., directors. R.O.: 155-Whalley Old Road, Blackburn.

**BONDS (CHEMISTS), LTD. (P.C.).**—Capital £1,500. To acquire the business of a chemist and druggist carried on by Jack O. Bond at Market Place, Somerton, and at Vest Street, Ilchester. Jack O. Bond, I.P.S., Ellen J. Bond and Arthur J. Bond, directors. R.O.: 1 Market Place, Somerton, Somerset.

**PAINT MANUFACTURERS AND ALLIED TRADES ASSOCIATION, LTD.**—Limited by guarantee, without share capital. Original number of members not to exceed 500. To protect the rights and interests of colour, paint and varnish manufacturers and sup-

pliers and allied manufacturers and suppliers. First members of National Committee: R. F. B. Gaudin (Graphite Products, Ltd.), managing director; R. B. E. Jackson (Silexine, Ltd.), managing director; C. R. Averill; J. H. Perry; G. C. Ivess, director; W. A. South (Redalum Paint Co., Ltd.), managing director; M. C. Chancellor; G. S. Bache (James Beadell & Co., Ltd.), director; C. C. Hallett (Harold Wilson & Witco, Ltd.); W. L. Cartwright (Cartwright, Ltd.); W. W. Cocker (Cocker Chemical Works); A. Learner (A. Learner & Co., Ltd.); R. J. Fer, c/o Beaver Paint Co., Ltd.; N. Mayfield (Mayfield Bros., Ltd.); E. Cook (Henry Matthews & Co., Ltd.); and R. Lauson-Brown (William Hudson & Co.).

**DAKIN BROTHERS, LTD.**—Mr. Robert Aylmer Hall has been appointed export sales director.

**HOWARDS & SONS, LTD.**—Mr. Arthur W. Elcombe has resigned his position as secretary to the company; he retains his seat on the board of directors. The new secretary is Mr. A. H. Wardley.

## COMING EVENTS

**Sunday, January 9**

**LIVERPOOL BRANCH, CATHOLIC PHARMACEUTICAL GUILD,** Cathedral Buildings, Brownlow Hill, at 3 p.m. Meeting.

**MANCHESTER PHARMACEUTICAL ASSOCIATION.** Ramble round Whaley Bridge and Kettle-shulme. Meet London Road Station, 10.10 a.m.

**Monday, January 10**

**ROMFORD BRANCH OF THE PHARMACEUTICAL SOCIETY,** Market Room, Golden Lion Hotel, Romford, at 7.30 p.m. Mr. John Parker, M.P., on "The Proposed State Medical Service."

**Thursday, January 13**

**PRESENTATION of the Hanbury Memorial Medal and address by Sir Henry H. Dale, C.B.E., F.R.S. (Hanbury Medallist), at the Pharmaceutical Society's House, 17 Bloomsbury Square, London, W.C.1, at 7 p.m.** Chair will be taken by the president of the Society. Refreshments will be served after the meeting.

**WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS AND BRANCH OF PHARMACEUTICAL SOCIETY,** Ilford Town Hall, 7.30 p.m. till 11.30 p.m. New Year's Dance in aid of Benevolent and Orphan Funds. Joe King's Band. Cards for non-dancers. Tickets 2s. 6d. (members of H.M. Forces in uniform, 1s. 6d.).



## MARRIAGE

**BROWN-SMAIL.**—At Perth, on December 25, 1943, John Loudon Brown, M.P.S., to Christina Henderson Smail, M.P.S.

## DEATHS

**ANDERSON.**—On January 1, Dr. George Cranston Anderson, C.B.E. (secretary of the British Medical Association), aged sixty-four. Dr. Anderson had been secretary of the B.M.A. since 1932. At the outbreak of the present war he became the secretary of the Central Medical War Committee, and in 1943 was appointed to a committee set up by the Minister of Health to advise on the health of the people.

**DYSON.**—On December 22, 1943, Mr. John Arthur Dyson, M.P.S., 50 Queen's Road, Brighton, aged sixty-five. The Brighton and Hove Association of Pharmacy was represented at the funeral on December 28.

**FLYING-OFFICER RICHARD H. SPEIGHT**, chemist and druggist, Little Bispham, Blackpool, formerly proprietor of Clifton Pharmacy and later of Metropole Pharmacy and a pilot in the last war, died recently in a military hospital. He had served in the Middle East, Greece, Crete and Palestine.

**MACE.**—At a London hospital, on December 24, 1943, Mr. Herbert John Mace, for fifty-seven years a member of the staff of Alexander Pickering & Co., Ltd., general produce merchants, London, E.C.3.

**RUSSELL.**—On December 12, 1943, Mr. William Russell, 3 Kirkall Road, Edinburgh, aged sixty-five. Mr. Russell qualified as a chemist and druggist in 1900.

**WILSON.**—Suddenly, on December 29, 1943, Mr. Henry Augustus Wilson, 37 Rosebery Avenue, West Worthing, aged seventy-four. Mr. Wilson qualified in 1894, and was for some time with Parke, Davis & Co., and afterwards, until his retirement, with Oppenheimer, Son & Co., Ltd.

**WOOLDRIDGE.**—On December 19, 1943, as the result of a flying accident, Pilot-Officer Cyril A. Wooldridge, elder son of Mr. L. C. Wooldridge, M.P.S., Grimsdell Corner, Sycamore Road, Amersham.

**WRIGLEY.**—News has been received by cable of the death of Mr. E. W. Wrigley, M.P.S. of New South Wales, director and manager of the Burroughs Wellcome Co. (Australia), Ltd., Sydney, N.S.W. Mr. Wrigley had only recently retired after completing thirty-four years' service with the company.

## PERSONALITIES

**MR. G. KIDD** has ceased to represent Solidol Chemical, Ltd., Ashmead House London, S.E.1.

**MR. C. C. WOOD**, M.Sc., A.R.C.S., D.I.C., a member of the research staff of Allen & Hanburys, Ltd., has been elected a Fellow of the Royal Institute of Chemistry.

**MR. A. MAUDE**, a director of James Woolley, Sons & Co., Ltd., manufacturing chemists, Manchester, was attacked by two men while in a train at Blackpool recently and suffered injuries which have kept him at home.

**FLIGHT-LIEUTENANT W. D. W. KNIGHT** R.A.F.V.R., has been promoted to rank of squadron-leader. He is the brother of Miss W. N. Knight, pharmacist at the Redhill County Hospital, Edgware, and the son of Mr. W. A. Knight, Ph.C., of Dulwich.

**MR. R. A. RONCHETTI, jun.**, has been awarded the degree of Bachelor of Dental Surgery. He is the third son of Mr. R. A. Ronchetti, M.P.S., of Enfield Wash, and brother of Lieutenant John Ronchetti R.A.M.C., L.R.C.R., M.R.C.S., and Naval Cadet Paul Ronchetti, M.P.S.

## WILLS

**MR. HENRY CLIFFORD PRINCE**, M.P.S. 15 George Road, West Bridgford, Nottingham, left £11,725, with net personality £11,017.

**MR. FRANK FORSTER RENWICK**, Loneoak Reed Pond Walk, Gidea Park, Essex, research director of Ilford, Ltd., left £21,700.

**ALDERMAN FREDERICK GEORGE SPENCE WILSON**, chemical manufacturer, 16 Canut Road, Gorse Hill, Stretford, Lancs, left £16,290, with net personality £16,208.

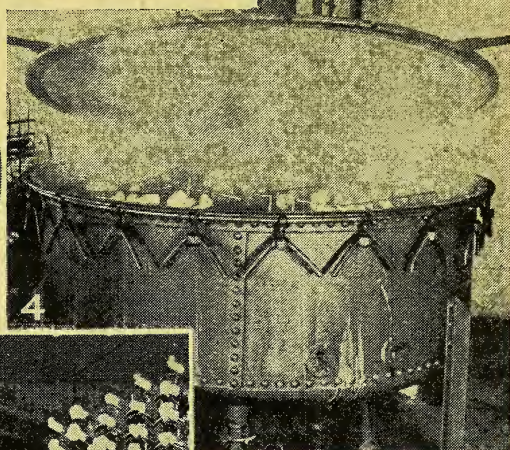
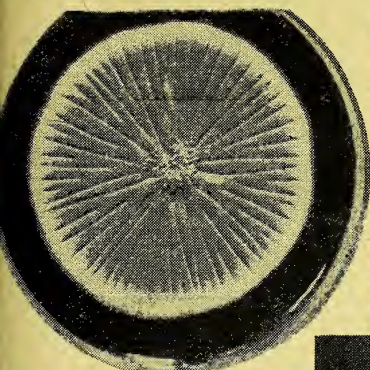
**MR. SYDNEY WATTS**, Woodeaves, Dea Row, Wilmslow, Cheshire, managing director of Watts Bros. (Manchester), Ltd., and of S. B. Watts & Co., left £2,796, with net personality £1,711.

**MR. FRANCIS (or FRANK) JOSEPH SCHILLING**, 72 Campden Hill Court, Kensington London, W., vice-chairman and managing director of Apollinaris and Presta, Ltd and the Apollinaris Co., Ltd., left £46,114 with net personality £44,623.

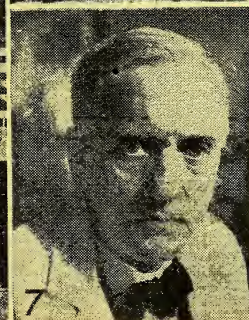
**MR. PERCY GEORGE MORGAN**, M.P.S. Bollonsfield, Tarporley Road, Whitchurch Salop, late chairman of Whitchurch Urban District Council, and a member of Shropshire County Council, left £17,565, with net personality £9,832.



# PENICILLIN IN PICTURES



1. Ten days' growth of specimen of *Penicillium notatum*. 2. "Felts" of penicillin exuding penicillin into the solution below. 3. Stage in refining of penicillin. 4. Autoclaving nutrient solution prior to culture of mould. 5. Flasks containing material for single doses of penicillin; development takes three weeks. 6. Test injection of penicillin solution with staphylococcus culture. 7. Professor Alexander Fleming, F.R.S. 8. Standard dose ampoules.





## RECOMMENDED DRUG ECONOMIES

A REVISED edition of War Memorandum No. 3, "Economy in the Use of Drugs in Wartime," issued by the Therapeutic Requirements Committee of the Medical Research Council, is in preparation and will be published shortly. The principal changes and additions proposed are now published for comment, the classification followed being the same as that adopted in the Memorandum.

### Essential or Readily Available

Drugs added to List A (regarded either as essential or as readily available): Acetomenaphthone, alcohol tribromomethyl-icum, amyleni hydras, arspenoxide (mapharside), brilliant green, calcii phosphas, crystal violet, ethisterone, hexæstrol, lethane (lethane 384 special, for medicated hair oil, N.W.F.), liquor ethylis nitritis concentratus, lonchocarpus, methyltestosterone, papaveretum, papaverine and its salts, pentamidine, pentothal sodium, pethidine hydrochloride, pheniodol, picrotoxinum, propamidine, prostigmine, sodii metabisulphis, sodii morrhuas, stilbamidine, terpineol, testosterone, testosterone propionate, theophylline sodium acetate, thiouracil, toxinum staphylococcicum detoxicatum, wool alcohols. Drugs in List A for which an entry in War Memorandum No. 3 or in the first supplement has been changed (change in brackets where given): Acidum salicylicum, alumen (delete "use ammonium alum only"), aluminii acetat and aluminii hydroxidum (delete "not to be made from potassium alum"), insulinum (the stronger concentrations are more economical of materials), phenol, potassa sulphurata, potassii bicarbonas, potassii bromidum, potassii hydroxidum, potassii iodidum, potassii nitras, sodii diphenylhydantoinas (phenytoinum solubile is identical), sodii salicylas, tragacantha (delete "methyl cellulose and similar synthetics may be tried as substitutes").

### Essential but Demanding Strict Economy

Drugs added to List B (essential for certain purposes, but not for others, and requiring strict economy in use): Acidum ricinoleicum (for liquor chloroxylenolis), androsterone, bismuthi subgallas (reserve for local application), eschatin, eucalyptol, ipomea, phenylhydrargyri nitras, phenylhydrargyri acetat, pyrethrum, riboflavine (not to be used in compound preparations), sodii perboras, succinylsulphathiazole (sup-

plies are limited), sulphamezathine (supplies are limited), thymol, urethanum, zinc peroxidum. Drugs in List B for which an entry in War Memorandum No. 3 or in the first supplement has been changed (change in brackets where given): Acidum acetylsalicylicum (strict economy essential; raw materials in short supply), alcohol (economy essential; many tinctures could be replaced by concentrated preparations. Use of pharmacopœial concentrated tinctures or liquid extracts diluted with water in place of alcoholic tinctures is authorised by S. R. & O., 1942, No. 709), borax (delete "in dermatological practice reserve for unguentum aquosum"), cinchona (add "reserved for use as an antimalarial drug"; under control, S. R. & O., 1942, Nos. 1604, 2668), codeina, desoxycortocosterone acetate (reserve for Addison disease), kino, krameria, lobelia (delete "substitute stramonium"), lobelina, menthol, mepacrine hydrochloridum and mepacrine methanosulphonas (reserved for antimalarial use; under control, S. R. & O., 1942, Nos. 1604, 2668), oleum anethi, oleum anisi, oleum cadinum, oleum carphoræ rectificatum, oleum cardamomi (delete "unnecessary"), oleum cari, oleum caryophylli, oleum cinnamomi, oleum hypericari, oleum limonis, oleum menthypericæ, oleum morrhue (delete the reference to substitutes), oleum terebinthinæ, oleum vitaminatum, pamaquinum (reserved for antimalarial use; under control, S. R. & O., 1942, Nos. 1604, 2668), potassii chloras (delete "not essential"), potassii citras (see under acidum citricum), potassii permanganas, quinidinæ sulph (reserved for cardiac arrhythmia; under control, S. R. & O., 1942, Nos. 1604, 2668), quinine salts (reserved for antimalarial use; under control, S. R. & O., 1942, Nos. 1604, 2668), scammonii resina, sodii tauroglycocholas (delete "substitute, extract of ox bile"), strophanthus (delete "countries of origin—Mozambique, Nyassaland. Importation unnecessary. Substitute digitalis"), talcum purificatum (delete "raw materials imported. For substitutes see under acidum boricum"), totaquina (reserved for antimalarial use; under control, S. R. & O., 1942, Nos. 1604, 2668).

### Non-essential Drugs

Drugs added to List C (not essential and not justifying importation or manufacture for home use in war-time): Dienæstretinylandrostenediol, liquor hamamelidis

methylandrostenediol, syrupus ferri phosphatis cum strychnina (substitute tablets), vitamin E. Drugs in List C for which an entry in War Memorandum No. 3 or in the first supplement has been changed (change

in brackets where given): Buchu (delete "importation is unnecessary"), calumba (delete "production within the Empire should be encouraged"), cassia (country of origin, delete "China"; insert "India").

## NATIONAL WAR FORMULARY

THE second edition of the National War Formulary is expected shortly from the press. It will be official for N.H.I. dispensing on and after February 1. Among the alterations which should be specially noted are the following:—

The list of proprietary preparations for which alternatives are suggested has been extended. The notes under "War-time Prescribing" have been revised to conform to current Statutory Rules and Orders. Tincture of belladonna will again become available for dispensing mixtures. Catechu is in short supply, and an attempt has been made to relieve the position by including a *mist. cretæ* containing no catechu. Colchicum is short, and as a small supply of the alkaloid is available, a tablet of colchicine has been added to the Formulary and notes are appended to the two mixtures which contain liquid extract of colchicum. The strength of the tablet gives a dose which is equivalent to the dose of colchicum in each of these mixtures.

As the strength of *ergota præparata*, B.P., has been doubled by the Sixth Addendum, the prepared ergot tablet of the N.W.F. has been reduced from gr. 5 to gr. 2½. Potassium iodide and potassium bromide are again used, as there is now sufficient supply of potassium salts. *Emul. anisi et menth. pip.* is replaced by *ext. glycyrrh. liq.*, but the formula for the emulsion is retained in case a further shortage of the liquid extract should develop.

One of two new mixtures has been added to this section: *mist. lobeliæ co.* and *mist. sodii cit.*, the latter a strong alkaline mixture. Two new powders have also been added: *pulv. mag. carb. co.* and a dusting powder of sulphanilamide, containing *pulv. sulphanilamid.*, gr. 5, in a pack of a double paper or cellophane envelope, sterilised, and with name and directions for use. The permission under *pilulæ* and *tabellæ* to dispense either form, irrespective of the Order, has been deleted, and each pill formula has also been included as a tablet. Two new tablets have been added: *tab. aminophyllin.*, containing gr. 1½, and *tab. colchicin.*, containing gr. 1/120. Notes under the two mixtures containing liquid extract of colchicum, namely, *mist. colchici* and *mist.*

*colchici et sod. sal.*, state that one of the latter tablets is equivalent to 3 min. of liquid extract of colchicum (the dose in each mixture) or 30 min. of tincture of colchicum. It is hoped, however, that all concerned will use colchicum preparations, whether in mixtures or tablets, with the utmost economy.

The first edition of the N.W.F. contained no lozenges; the second edition, however, includes *troch. glycyrrhizæ*. The ointment section has three alterations which are attributable to the Sixth Addendum to the B.P. *Ung. calaminæ* is now made with hydrous ointment. In *ung. calaminæ co.* the hydrous wool fat and the soft paraffin are replaced by hydrous ointment, and *ung. hyd. ammon. dil.* contains equal parts of ammoniated mercury ointment of the Sixth Addendum and hydrous ointment, giving an ointment containing 0.5 per cent. of ammoniated mercury instead of 2.5 per cent. It is expected that the Codex Revision Committee will amend the two B.P.C. formula to agree. *Ung. sulphanilamidi* contains 1 per cent. of sulphanilamide in hydrous ointment, and is a new ointment. The second edition of the N.W.F. will be distributed to chemists and doctors on the panel during the early part of January, and it will be noted that the date of coming into force will coincide with that on which the ointments in the Sixth Addendum become compulsory. An Index has been added.

### Malaria Control in North Africa.—

"Most of North Africa is gripped in a furnace of heat, and it is worse in Sicily. Malaria and sandfly fever have been kept down to a surprising minimum owing to a brisk medical campaign. All the troops are ordered to take mepacrine tablets, which are a substitute for the quinine which the Japs stole from us in Java."—A writer in the "Lancet."

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.



## M. OF H. BULLETIN TO PHARMACISTS

THE first issue of the Ministry of Health quarterly Bulletin to Pharmacists, issued by arrangement with the Pharmaceutical Society, a press copy of which has been supplied by the Ministry, contains, *inter alia*, a foreword by the chief medical officer to the Ministry of Health, notes on current topics, an editorial article, and articles on droplet infections and the venereal disease problem in England and Wales. Space will not permit of full reproduction of the Bulletin, but abstracts from the three last-named articles are given herewith:—

### Editorial Article

EVEN so colossal a tragedy as war brings some good in its train. One result we see today is an enhanced appreciation of our civic responsibilities, and another is a greater interest in health. Health takes a leading place in the improvements we want to make in our way of life. Individually everyone likes to be fit, but few know the best way to *want* health, or how to get it and keep it. The chief medical officer of the Department of Health for Scotland said a month or two ago:—

“Health education is an active force on the health front, its main functions being the stimulation of the people's health conscience and the guidance of each individual in the ways of healthy living or towards what has been termed ‘positive health.’ It is vital to success that every member of the community should be fully alive to the need for promoting his own physical and mental fitness; indeed, it is his duty to himself, to his family, to his workmates, and to the community in general.”

This, then, is the gospel and the faith. How can the pharmacist help to spread them? Pharmacy is one of the most ancient of the learned professions, and the place of the pharmacist in society has always carried with it the respect due to the scientist. His training and work fit him to play an important rôle, but his especial value is that his customers, recognising his qualifications, so often turn to him for advice. This personal contact is of the utmost value. The aim of this new Bulletin is to assure the pharmacist that he will be giving sound advice to his customers by setting out the scientific evidence on which official action has been based, and to suggest other ways in which he can support national publicity designed to facilitate that action.

Although the pharmacist's personal influence with his customers is probably the most valuable, there are other ways in which he can help in educating the public to get fit and to keep fit. He may show posters, allocate space for window displays, or encourage those with whom he comes into contact to attend lectures or health films. He need not wait to be asked—he can himself take the initiative. He can give lectures, or assist in making them interesting, either to the public at large or to particular groups which

influence local opinion. There are many fascinating topics with which pharmacists are well qualified to deal. By this time the reader may be murmuring that this might sound all very well, but where is the time for such activities? We realise—none better—how great are the present difficulties. But difficulty is an *aperitif*, and the simple fact remains that people *are* doing this sort of thing now. One pharmacist's immediate reaction in conversation to the suggestion of health education was that it would be all right if it helped him to push some line or other, otherwise he saw it only cutting across the basis of his business. This is a point of view, even though its advocate abandoned it after brief consideration. It is not one that will be held by the majority of pharmacists.

### Venereal Diseases

EVERY war increases the incidence of venereal diseases, both in the countries directly engaged and in their neighbours. Such an increase in the war of 1914–18 hastened the birth of the Venereal Diseases Regulations, 1916, which mainly govern the measures to prevent the spread of syphilis, gonorrhœa, and soft chancre in England and Wales (similar measures apply in Scotland and Northern Ireland) today. The Regulations aim to prevent the spread of venereal diseases by bringing under treatment the greatest possible proportion of the infected in the community, so as to render them non-infectious as quickly as possible. The V.D. Centres had improved very greatly since the inception of the V.D. scheme in 1916, and the measures generally had achieved a notable degree of success in reducing the incidence of syphilis.

Of gonorrhœa we knew less, because of large and apparently increasing numbers of patients in recent years seeking treatment privately. Probably here as in other countries, there had been no outstanding success in reducing the incidence of gonorrhœa, but, thanks to the effects of certain sulphonamide compounds, there was a reasonable prospect of this disease becoming a comparatively minor problem in a few years.

The prospect of war in 1939, however, raised problems of great complexity and difficulty. Venereal disease did not increase very remarkably until after Dunkirk. In 1940, counting infections of British service men in this country, the increase over 1939 was 31 per cent., but in 1941 it was 70 per cent., and in 1942 it had become 120 per cent. This increase is common to all countries directly concerned in the war, and even in other countries, e.g. Sweden, which is only on the fringe of the war. The increased interest of the public has been manifested by, *inter alia*, huge demands for the literature produced by the Central Council for Health Education and by the great increase in the attendance at the clinics of persons apprehensive that they may have contracted a venereal disease.

Considerable interest is now being taken in the tracing of sources of infection so as to secure their treatment. The much-discussed Regulation 33B was designed primarily to compel the examination of irresponsible persons who were strongly suspected of infecting many persons each, but were quite irresponsive to all efforts to persuade them to undergo treatment. Though applicable only to persons suspected of infecting two or more persons, it is useful in persuading (by its hint of eventual compulsion) the contact of only one patient to undergo examination, etc. There has also been a notable increase in the social services of treatment centres, all designed to trace contacts, to remove obstacles to attendance by individual patients, and to follow up patients who have prematurely discontinued treatment. No new medical discovery is necessary to make the venereal problem a very minor one in any country; all that is necessary is that infected persons and those who have the slightest suspicion that they might have become infected should seek skilled advice and undergo any treatment dictated by the resulting examinations.

## Droplet Infections

WHEN we cough, sneeze or shout, we project visible droplets of moisture from our mouths: cough on a mirror and you can see them. We also scatter finer particles of water vapour. Both are contaminated with micro-organisms from our upper respiratory passages: usually innocuous organisms, but sometimes deadly ones too. The fate of the microbes and also of our neighbours depends upon the size of the droplet; large ones fall to the ground in a few feet. If, on the way, they come to rest on a person, he is at risk of "direct projectile infection." Or, later, the microbes in the droplets which fall to the ground may be carried up again on dust into the air. Small droplets evaporate at once after being expired. The microbes contained in them, called "droplet nuclei," remain suspended in the air like mist or smoke, and may drift or be blown long distances and cause air-borne infection.

To a minor extent, microbes scattered on droplets are also conveyed by personal contact and on contaminated food or drink. It is difficult to determine the exact route of infection in a given case and, indeed, doctors differ over the usual modes of transmission of droplet diseases. Fortunately during the past five years, and not a little because of the stimulus of war, experiment has contributed more to knowledge in the subject. The experiments show the route may be direct projectile infection, dust or air-borne infection. We do not yet know which is the most important in any given circumstances, and so must use a combination of counter-measures. The most important are: (a) Isolation of infected persons and insulation of other persons at risk; (b) elimination of dust; (c) aërial disinfection. But the way in which the germs of disease are sown is not all the problem. Variations in the seed and the soil are equally important.

Man has learnt to live in comfortable symbiosis with numerous types of microbes; he is immune to them. But his safety depends on several "host factors," the most important of which is biological immunity. The state of nutrition and of general health is also important. The seed and the host factors must be remembered in prevention. Diphtheria can be controlled, because effective antigens against it have been developed; though it is a typical droplet infection, we can wipe it out without worrying about the routes of spread. Unfortunately this does not apply to most droplet diseases, for no satisfactory immunisation is available. We cannot always isolate the infected case who disperses the germs, nor can many of us surround ourselves with barriers to ward off his germs. We can, however, keep a reasonable distance from him, avoid overcrowding, and only occupy well-ventilated places. Plenty of fresh air will dilute and reduce the dose of infection. Sunlight, and even diffused daylight, will kill it in time.

If the infected person speaks quietly and covers his mouth when coughing or sneezing, he can reduce enormously the aërial contamination around him, and if he is really public-spirited he will wear a mask when suffering from a droplet disease and so effectively prevent direct projectile infection. Natural ventilation can be imitated by mechanical means. The germ-killing properties of sunlight can be imitated by ultra-violet light. Wave lengths of 2,537 Angstrom units are the most bactericidal, but the effective wave band is a limited one.

The idea of using bactericidal mists for controlling infection was introduced by Lister in 1865. In 1928, Douglas, Hill and Smith, with sprays of sodium hypochlorite, completely killed *B. coli* dispersed in air, but it was not until 1938 that the subject actively developed. Within two years, and during the "blitz," local authorities in England were equipped to use aërial disinfection with sodium hypochlorite in badly-ventilated and overcrowded shelters should epidemic influenza appear. The search for non-toxic, non-irritating, odourless and tasteless chemicals which will disinfect air continues. Propylene glycol,  $C_3H_8(OH)_2$ , a dihydric alcohol closely related to glycerin, will kill micro-organisms instantaneously in air dilutions of 1 in 4 million; it also destroys dried bacteria. Triethylene glycol is ten times as effective as propylene.

Aerosol chemicals, when measured by the ordinary tests, e.g. Rideal-Walker, are not particularly good disinfectants *in vitro*. Only when dispersed in mists of fine particles about 1-2 microns will they kill, and it is probable that their bactericidal effect results from direct physical interaction, i.e. bombardment between aerosol droplets and bacterial particles. Alternatively, vapour or gas may be liberated from the suspended mists and act as chemical disinfectors, or the gaseous molecules may come into battering collision with the bacterial particles. Mists which have this effect, and they include some smokes, are referred to as aerosols, but we do not yet know the way in which they kill bacteria. Editorial comment, p. 41.



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DL. CXLI      JANUARY 8, 1944      NO 3335

*the fact that goods made of raw materials are in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.*

## New Deal in Cosmetics

ONE of the most important effects of the Toilet Preparations (No. 4) Order, 1943 (S. R. & O., 1943, No. 1683), details of which were given in last week's issue (p. 20), is the removal of the ban on the manufacture and supply of hair preparations containing petroleum products. The Order, which amends the Toilet Preparations (No. 4) Order, 1943 (S. R. & O., 1943, No. 1213), in several important respects, provides that registered manufacturers may make and supply hair preparations containing petroleum products within their licence value, and unregistered manufacturers (e.g. chemists) within their limit of £41 13s. 4d. per month. It should be noted that in the original Order petroleum products were defined as having the meaning assigned to that expression in the Petroleum (No. 2) Order, 1942 (S. R. & O., 1942, No. 1725), i.e. excluding liquid paraffin, B.P., the use of which is restricted to medicinal purposes.

### Difficulty of Substitutes

While the reason for the lifting of the ban on the use of petroleum products for the manufacture of hair preparations, which was to have come into force on March 1, is not disclosed by the Board of Trade,

there are indications that such a restriction, had it been imposed as originally notified, might have produced some undesirable results. Judging from the numerous inquiries that have reached us since the issue of the original Order, manufacturers, both large and small, were at a loss to find an efficient substitute for petroleum products in hair preparations, particularly in the brilliantines, as the effect of lower-viscosity paraffins cannot easily be simulated by any readily available materials. That regular users should go without even restricted supplies of their usual hair dressings would have been a poor solution of the problem and might have caused an undesirable rise in sales of liquid paraffin, B.P., despite the fact that this substance can legally only be used medicinally by the public. Whatever the reasons, it is satisfactory to all concerned to learn that the ban on the use of petroleum products has been lifted, and we hope that this concession will be the forerunner of others in the cosmetic field.

## Pharmacy Propaganda

WE publish in this issue (pp. 38-39) abstracts from the first issue of the Ministry of Health's "Bulletin to Pharmacists" which, we understand, is to be published quarterly in collaboration with the Pharmaceutical Society. The main features of the current Bulletin are three articles: An Introductory Editorial, "Droplet Diseases" and "The Venereal Problem in England and Wales." To publish them in full would have taken up about eight pages of this issue, which was, of course, quite impracticable. Pharmacists will be glad that the Ministry, in issuing this appeal for co-operation, has recognised their usefulness in the campaign to maintain and improve the health of the nation. That is a step in the right direction and it is pleasing to note that the Pharmaceutical Society is collaborating in this movement.

For our part we shall do all we can to make the scheme a success, and with this object in view we venture to make some constructive comments on Bulletin No. 1. The chief weakness, as we see it, is that the articles are far too long—the three



mentioned above total approximately 4,500 words. The introductory editorial, consisting of some 1,250 words, is likely to weary the pharmacist reader rather than to arouse his enthusiasm.

### Venereal Disease Act

"Droplet Diseases" has been the subject of publicity in the pharmaceutical trade Press in the past, both pictorially and by letterpress. There is a little new information in this article of some 1,700 words and, in our opinion, it would have been much more attractive had it been limited to 500 words. The third article to pharmacists on venereal diseases is perhaps the worst offender in respect of undue length. Why publish an article of about 1,550 words on a subject concerning which, under the Venereal Disease Act of 1917, pharmacists are expressly forbidden to act professionally. Our view is that the lips of pharmacists were so effectually sealed by that legislation that, beyond directing inquirers to local clinics or to their doctors, it is as well to keep them so.

In these days of stress pharmacists in retail business have little time for reading, and it is essential that publications of the nature of the Ministry's Bulletin, if they are to succeed in their object, should be as brief and to the point as possible. A concise propaganda article of 500 words may be read; one of three or four times that length will, of necessity, be passed over.

### Publicity for the Pharmacist

Collaboration between pharmacists, through their organisation, and the Ministry of Health is welcomed, but it will not be of much assistance to the national health campaign unless it is backed by strong and persistent pharmacy propaganda to the public. We suggest that the Ministry of Health should publicise the qualifications and usefulness of the pharmacist. The public is told by the Ministry, by way of posters and in the national Press, in connexion with influenza, "Don't delay—call in the doctor." A similar campaign publicising the pharmacist as the safe source for medicines is just as necessary and desirable in the national interest. For instance, "Keep in touch with your chemist, and keep well"; "The Chemist's

shop is the safe place to get your medicines"; or "Get your medicines at your local chemist's." It is for the Ministry to tell the public that pharmacists have been trained and have qualified for one express purpose—to provide an efficient and safe service in medicines. We have the "Radio Doctor," why not the "Radio Chemist"?

### The Measured Dose

THE medical practitioner writes his prescription after inquiring from, and examination of, the patient. His first doses are necessarily tentative as the rates of absorption and excretion will vary in different patients involving a fluctuating concentration in the body, and hence a diverse action. His next prescription must be founded on his observations of the first effects, and is hence extremely important that the previous prescription should be dispensed accurately wherever it is done, so that the doctor has a definite basis on which to found his correction of the doses. This is the essential reason why the proud boast of pharmacy is "accuracy wherever dispensed." Of course, since scales, weighing and measures have a definite legal limited degree of error, absolute accuracy is not achieved; "uniformity wherever dispensed" would, perhaps, be a better slogan. Unfortunately, this uniformity usually disappears when the patient takes his dose. The graduation marks of the usual medicine bottle are so thick that uniformity is unattained, whilst when ordinary tea-, dessert- or table-spoons are used the variation becomes still greater. This is probably the chief reason why we rarely see delicate gradations in dose changes. More commonly a change of the order of 25 per cent., 50 per cent., or even 100 per cent., is seen, a 5-grain dose becoming  $7\frac{1}{2}$  or 10 gr. Less variation in the dose taken would be attained if the patient were directed by the doctor to use a graduated measure glass. This want of uniformity in the taking of drugs is one reason why the teachers of pharmacology and therapeutics pay little attention to delicate gradation of dose and the depressing result is that prescriptions are becoming more and more "stock mixtures," average doses for average conditions.

## ASSOCIATION OF SCIENTIFIC WORKERS

THE Association of Scientific Workers decided recently to organise qualified pharmacists employed in retail distribution. The step was taken in application of a comprehensive policy adopted three years ago, and follows upon successful work by the Association in organising industrial pharmacists, together with thousands of other scientific workers throughout the country. Early in 1941 the membership of the Association, drawn principally from universities and research institutions, was just below 2,000, and its activities were concerned mainly with scientific and professional questions. A proposal was made that the Association should register as a trade union and undertake the organisation of all scientific workers on a trade-union basis.

### Affiliation with T.U.C.

When the proposal to affiliate to the Trades Union Congress was under discussion, fears were expressed that the Association would be committing itself to the support of a political policy if it took such a step, but the fear has been completely dispelled by members' experience since affiliation took place. The Association now has over 14,000 members; it has established an expanding organisation and influence in all the main industries, in agriculture, in the medical sciences, Government service, etc., and has been actively engaged in negotiating salaries for scientific workers based upon their training, qualifications and experience. At the same time, it has not been solely concerned with "bread and butter" questions, important though these are, for its members are deeply concerned with professional as well as economic matters. Much has been done to ensure proper facilities for study and training of young people engaged in scientific work, and through the medium of the Parliamentary and Scientific Committee, by public conference and Press publicity, the Association has consistently advocated that the nation's scientific and technical resources should be more fully utilised in the national interest.

### Policy

It is the view of the A.S.W. that all pharmacists should be organised together and in common with other scientific workers if they are to protect their economic and professional interests. It is opposed to any sectionalism that would make the retail

pharmacist into a mere shop assistant, with remuneration based upon standards set for shop assistants. The policy of the Association in the different fields is determined by its members. Self-governing committees of qualified members are elected in the different fields, and the national executive, which consists of qualified scientists, co-ordinates the work. In this way there is a proper inter-connexion between work in the medical sciences and chemistry, work in the research laboratory and factory, etc.

### Relations with Other Unions

The Association recently concluded an agreement (see *C. & D.*, December 11, 1943, p. 586) with the National Union of Distributive and Allied Workers and the National Amalgamated Union of Shop Assistants, Warehousemen and Clerks. Following this agreement a joint declaration was issued (see *C. & D.*, January 1, p. 1). The Association of Scientific Workers looks forward to 1944 as a year of even greater progress in the organisation of scientific workers, and is confident that it will receive wide support from pharmacists throughout the country. Further information concerning its policy, work and organisation may be obtained from the organising secretary, Hanover House, 73 High Holborn, London, W.C.1.

## RUBBER IN 1944

THE American manufacture of synthetic rubber has been one of the war's greatest achievements. Whilst this product, as we know it as present, does not appear to possess as yet the same qualities as natural rubber, it is hoped that before long it will be as good as the natural. The chief defect of synthetic rubber is that as much reclaimed material cannot be used with it as with the natural product. The output of the British rubber industry will soon consist of three-quarters of synthetic to one-quarter of natural rubber, thus reducing the amount of natural rubber used to one-half of what it was in peace-time, despite greatly increased war demands. Some products, e.g. certain kinds of bottle stoppers, are now made wholly from reclaimed rubber, containing no new rubber in them at all. Many of what may be described as "utility" products are, of course, below the peace-time "super" quality, but they are sufficiently good to meet requirements in relation to circumstances. The quality achieved, however, is efficient.



## COSMETICS IN EXCESS OF QUOTA

At North London police court, recently, John James Woods, 45 Eastern Esplanade, Southend-on-Sea—stated to be carrying on business at 173 Seven Sisters Road, Finsbury Park—was prosecuted by the Board of Trade, under the Toilet Preparations Order, 1942, for supplying controlled goods in excess of his quota. Moritz Cruh, described by the prosecution as the manager of Clark, Dennis & Co., Ltd., 678 Salisbury Buildings, London, E.C.3, was summoned for conspiring with Woods to supply controlled goods in contravention of the Order; Woods was summoned for conspiring with Cruh. Clark, Dennis & Co., Ltd., were also summoned for aiding and abetting Woods in supplying controlled goods in contravention of the Order.

### Granted a Licence

Defendants pleaded not guilty. Prosecution stated that Woods wrote to the Board of Trade on September 25, 1942, stating he had been discharged from the Army with acute neurosis, that he had been engaged all his life in the manufacture of toilet preparations, and that he desired a licence in order to resume his business. He was eventually granted a licence. Under the quota regulations, he was not allowed to supply more than £333 worth of controlled goods during the six months January-June, 1943, and it was alleged that during this period he had in fact supplied goods to a value of £6,180, representing a gross profit of £3,513. Woods, in an interview, made a statement that he had been supplying Clark, Dennis & Co., Ltd., who had taken his entire supply of cosmetics from January to May. The transactions had been for cash and he did not run a bank account. Prosecuting counsel said an arrangement was apparently made between Woods and Cruh whereby, to facilitate the supply of cosmetics to Clark, Dennis & Co., Ltd., Cruh undertook responsibility for running the premises at 173 Seven Sisters Road and ordered the materials, while the actual manufacture was carried on by Woods, his brother, and one other employee. The case against Cruh was that he was the active brain and instigator of the whole of the transactions. When Woods was told the amount of goods he was alleged to have supplied, he said he had not received anything like the amount of money suggested, and that his actual profit was only £300 or £400. Cross-examined, the accountant employed by the Board of Trade

agreed that Woods had given him every assistance in his investigations. Woods said that the accountant who kept the books was the accountant for Clark, Dennis & Co., Ltd., and that he was perturbed at what he found when he saw the books. He suggested there must have been some "funny business" going on. He was not aware that the effective director of Clark, Dennis & Co., Ltd., was Mr. Mayer, and that Cruh had no authority to sign cheques. He did not know that Cruh was not even a shareholder. He had found the books of the company in perfect order. After successive adjournments to November 27 and December 11, 1943, the hearing was concluded on December 30.

### Woods in the Witness Box

On December 11 Woods stated in the witness-box that in February 1943 he commenced to manufacture lip-stick, brilliantine and rouge at 173 Seven Sisters Road. According to entries in the sales day book he had sold Clark, Dennis & Co. goods to the value of over £5,000, between January 2 and May 16, 1943, but he had in fact never supplied anything like that amount, the amount being £815 8s for which he received payment. He had never manufactured powder for Ashley Weeks, Ltd. It was when he was shown the books taken to the Board of Trade by Mr. Fellows that he realised something had "gone astray." He only went to the premises at Seven Sisters Road about twice a week and if his brother and Boyce manufactured the goods alleged to have been supplied it was without his knowledge. He discharged his brother and Boyce on June 8, 1943, and had not opened the premises since then. His brother had not been in partnership with him and had no authority to make or issue invoices in his name. His brother was not in the Royal Air Force.

### Book-keeping Records

Commenting upon the evidence given by Woods, prosecuting solicitor said that the last transaction Woods admitted was on March 24, 1943, yet he apparently kept on with his brother and Boyce, doing nothing, so far as he was concerned, until the first week of June. According to the books and invoices produced, hundreds of pounds worth of cosmetics were being made at the premises during this period; yet he said he knew nothing about it.

James Maurice Fellows, chartered

countant, gave evidence that he agreed to open a set of books for Woods. He received information about purchases from either Woods or his brother, and quite understood them to be partners. Most of the information about sales he received from Clark, Dennis & Co. He had some doubts with regard to Woods's quota and spoke to him about it, suggesting that he would put himself right with the Board of Trade. Woods replied that this was what he wanted to do, and that he would make the necessary arrangements. "It is ridiculous for him to say that he did not know what business is being done" witness declared. Woods came to my office four or five times and examined the books. He never raised the slightest query."

#### Expenses but no Commission

Cruh, who next entered the witness-box, said he was thirty-two and an Austrian. His father had been in business in Vienna before the war and he had worked for him in Paris. He came to this country in October 1938, and had served in the Pioneer Corps. In November 1941 he went to Clark, Dennis & Co., and after being sales manager became general manager. His salary was £5 a week and an expenses allowance, but he drew no commission. He was introduced to Woods through a third party. Woods's brother was with him and Woods made no arrangement without referring to his brother; they appeared to be partners. Woods produced evidence that he was registered as a toilet manufacturer, and said that his quota had not been fixed by the Board of Trade. He understood that the premises where Woods and his brother were at the time were not suitable for the manufacture of cosmetics, and Mr. Meyer said that if this was the case they would not be suitable premises. When Woods went to the agents they wanted trade and bank references, which Woods was unable to supply, so he (Cruh) took the premises on the understanding that Woods would take over the tenancy later. Woods never did so. On December 30, 1943, Cruh stated that the goods supplied by Woods did not prove to be satisfactory, and many complaints were received. As the result of customers' letters of complaint, goods were taken back and money refunded to the extent of £953.

Cross-examined by the solicitor for Woods, Cruh said Woods had told him his quota had not been fixed, and he had been satisfied with that. "It doesn't satisfy me," remarked the magistrate. "I don't believe a business man would start trading with a man

and not know his quota." Cruh said he received no profit in connexion with the powders manufactured for Ashley & Weeks.

Invited by the magistrate to explain how he put his case with reference to powders, counsel for the prosecution said that it rested upon the alleged agreement between Woods and Ashley & Weeks, Ltd., except that certain powders were supplied to Clark, Dennis & Co., Ltd., to a value of £223. The magistrate remarked that, upon comparing the signature on the agreement with signatures known to have been written by J. J. Woods, it seemed to him that the signature upon the agreement was not written by Woods. In his address to the magistrate, Woods's solicitor pointed out that his client had given evidence that at no time did he manufacture any powder. As to conspiracy, it depended very much upon an interpretation of the law. He confessed that Woods had to admit he had exceeded his quota, but the question in dispute was the extent to which he had exceeded it. On the one hand they had Mr. Cruh saying that, within a period of six months, he supplied something like £9,400 worth of goods, most of which were controlled, and on the other hand they had Woods saying that during the whole period he was trading with Clark, Dennis & Co., Ltd., his total sales amounted to only £815. There were discrepancies in the evidence of Woods, but the solicitor suggested that he was an honest man "almost totally devoid of intelligence." Cruh, however, had been rightly described as "the master mind." It was suggested that Woods had been used by Cruh, to his own disadvantage; he had never really understood his quota position.

For Cruh and the company it was urged that there was not the smallest evidence of any agreement between Cruh and Woods. That was the one point on which they did agree! Any two people less like conspirators it would be difficult to imagine. It might be that Woods knew he was exceeding his quota but there was no evidence to show that Cruh knew he was doing so. Cruh knew that Woods was a registered person and the law put no obligation upon him with regard to the extent of Woods's quota. The books of Clark, Dennis & Co. were in perfect order, and provided a complete record of the transactions with Woods. It was a remarkable kind of "cooking" if the books had been cooked by the introduction of transactions running into thousands of pounds which were said never to have taken place at all!

The decision will be given at North London police court on January 10.



## POST-WAR PHOTOGRAPHIC DEPARTMENT

DURING the past few months much of the war's earlier depression has been replaced by a brighter outlook following remarkable Allied victories, and one result is that many are looking forward to the post-war period. If there is failure to consider now the policies for after the war, then both the period and the consideration will be unnecessarily extended and correspondingly perplexing. It should be quite easy when the time comes to test ideas and schemes formulated now, and to make any modifications which may be necessary to meet conditions not anticipated.

### War-time Photographic Business

Dealers who had flourishing photographic departments before 1939, and have kept them going during the four years of war, have found conditions not so bad after all. Turnover has been surprising, and though supplies have been disappointing, the position has been the same for all. No one has profited at the expense of "the fellow round the corner." In many districts there has, in fact, been co-operation between dealers, and helping hands have been willingly extended, to mutual advantage. There has been a better feeling not only between dealer and dealer but also between manufacturer and dealer. Those really in a position to judge are agreed that the manufacturers of photographic supplies have done a marvellous work during this war; the advances made in photography since the last war, and the many extra applications for it that have been discovered and exploited, call for far bigger supplies, and are far more exacting. Yet the same manufacturers are doing all they reasonably can to keep amateur photography going.

### Post-war Co-operation

How are dealers going to react to this eagerness to help? It is really not enough just to have goods on the back shelf and to know them only by the colour of the label or carton, or because a keen amateur insists on having a particular brand. It is necessary to know something of the history of the maker and the quality of the goods, what can be done with a particular piece of apparatus or packet of developer, with a grade of paper or a particular filter, meter, toner, tripod. The manufacturer issues direction leaflets for the benefit of the user, but the dealer must also know the contents of the leaflet. The war has

proved beyond all expectations that British manufacturers and scientists are second to none. Where they are not better than foreign competitors they are equal to the best, though much handicapped by the invidious (and insidious) propaganda that has been prevalent during the last twenty or thirty years. Every dealer can help British manufacturers by proclaiming the British-made article as the best every time the opportunity serves. Such co-operation will, in fact, be necessary in post-war days if the problems of the photographic trade are to be resolved. British makers can make and have made precision cameras and apparatus. They now have the tools and can find the money; all that is required is demand, and this can only be achieved with the help of the distributor. Britain has the chemists who can supply and are supplying the finest chemicals and preparations, while lenses bearing British names are of unrivalled optical efficiency.

### British Goods Best

In a recent exhibit of apparatus used by the Royal Air Force, various types of cameras were displayed. One had its German counterpart by its side for comparison; the weight of the foreign apparatus was about three times that of the British camera, and, from the results, its efficiency was less. Moreover, the officer in charge could not give enough praise to the British-made films and sensitised material supplied for their use.

The question of price has got to be faced. Germany subsidised firms to enable them to sell apparatus and other goods in this country and other parts of the world. Production in this country can be increased by dealers' help in many ways: display knowing the goods, talking to purchasers, etc. Let it not be forgotten in the future what the manufacturers are doing today.

**Phthalylsulphathiazole.**—The latest rival in the sulphonamide group of drugs is stated to be phthalylsulphathiazole, which has been reported on by Drs. Edgar J. Poth and Charles A. Ross (University of Texas) in a report to the United States Society for Pharmacology and Experimental Therapeutics. For phthalylsulphathiazole is claimed two to four times the germ checking power of succinylsulphathiazole. At present the drug is being used experimentally and is not available for distribution.

## TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

### 28 Essex Street, W.C.2, January 5

BUSINESS in the London drug and chemical markets has been handicapped during the last week by the usual seasonal decline in activity and the annual stocktaking, with the result that turnover reached only very small proportions. With one or two exceptions, prices have remained at about the levels recorded during recent weeks. The stability of conditions in the PHARMACEUTICAL CHEMICALS section is reflected in the fact that only one price change of importance has been notified during the first week of the year at a time when changes are normally announced. The alteration in question concerns STRYCHNINE SALTS, prices of which have been advanced by 9d. per oz. Details of the new schedule are given on p. 48.

### Crude Drugs

Dealers in this section report extremely quiet conditions, with activity confined to a very limited range of items. Particulars are given on p. 49 of a new Order controlling AGAR and similar substances, the aim of which is to conserve supplies for the preparation of bacteriological media. The maximum price of agar is now fixed at 2s. per lb. While sales of agar in the drug trade have for some time been confined to approved users for bacteriological purposes, it is understood that a fair quantity has changed hands through other channels. The order came into operation on December 28, 1943. No supplies of Cape ALOES available on spot at present. Spot stocks of BALSAM OF TOLU appear to be exhausted. BENZOIN continues to sell slowly at unchanged rates. Limited quantities of Japanese slab CAMPHOR are reported to have been offered. CARDAMOMS continue neglected, with prices unchanged. The position of CASCARA AGRADA is unaltered. CHAULMOOGRA may now be had on spot at 1d. per lb. under the last-mentioned price. ERGOT is firm, but unchanged. Kordofan GUM ACACIA is now quoted at a slightly lower rate. Buyers of PECACUANHA are unable to find spot supplies of either the Matto Grosso or Minas varieties. First-hand stocks of JALAP are exhausted and no further import licences are being issued. The Pepper Control and Maximum Prices Order, 1941, and subsequent amendments, have now been con-

solidated by the Pepper Order, 1943, but maximum prices and conditions of sale are unaltered. Some red native SARSAPARILLA may be obtained on spot. Very few inquiries have been received for SEEDS, and prices are steady as previously quoted. Some of the medium grades of TRAGACANTH are tending lower. TURMERIC is neglected. Spot supplies of fatty grey CARNAUBA WAX are becoming scarce, and the price is consequently higher.

### Essential Oils

Quiet conditions have again prevailed, and price changes have been few. ANISE (STAR) has been in good demand, and prices of available supplies are inclined to be higher. Limited quantities of CAJUPUT are available on spot. Genuine English distilled B.P. CLOVE is unchanged. EUCALYPTUS continues in short supply. As noted last week, bulk prices of LINSEED and RAPESEED have been advanced. Prices of CONTROLLED OILS are unchanged.

### Exchange Rates on London

During November 1943 an alteration occurred in the Spanish rate, which was raised from 40.50 pesetas to 44.00 pesetas, in order to bring the sterling-peseta rate into line with the level of the dollar-peseta exchange. The Chinese national dollar is dearer. The Bank of England fixed rates include: New York, 4.03 dollars; Montreal, 4.45 dollars; Dutch West Indies, 7.60 florins; Lisbon, 100 escudos; Stockholm, 16.90 kroner. The Chinese national dollar is valued at 3½d.

### Pharmaceutical Chemicals

ACETANILIDE.—Crystals are obtainable at 2s. 5d. per lb. and powder at 2s. 6d.

ALLOBARBITONE.—Steady at makers' price of 60s. per lb.

AMPHETAMINE.—Makers quote at approximately 150s. per lb.

ASPIRIN.—Continues in good request. Makers' prices per lb., in quantities of 28 lb.—1 cwt., are as follows (containers in brackets): 4s. (1-lb.); 3s. 10½d. (4-lb.); 3s. 9½d. (7-lb.); 3s. 9d. (14-lb.); 3s. 8½d. (28-lb.).

BIARIUM SULPHATE (x-ray).—Quoted at the following rates per lb. in quantities of 28 lb.—1 cwt. (containers in brackets): 1s. 5½d. (1-lb.); 1s. 4d. (4-lb.); 1s. 3d. (7-lb.); 1s. 2½d. (14-lb.); 1s. 2d. (28-lb.).

BISMUTH CO., PULV., N.F.—Makers' prices per lb., in quantities of 28 lb.—1 cwt., are as



follows (containers in brackets): 2s. 3½d. (1-lb.); 2s. 2d. (4-lb.); 2s. 1d. (7-lb.); 2s. (28-lb.).

**BORAX.**—Makers quote as follows: B.P., granulated, £39 10s. per ton; crystal, £40 10s.; powder, £41, packed in one-cwt. bags; carriage paid in Great Britain, in one-ton lots and upwards. Commercial quality, £8 per ton less.

**BROMIDES.**—**POTASSIUM** is quoted by makers at the following prices per lb., in lots of from 28 lb. (containers in brackets): 3s. 5½d. (1-lb.); 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2½d. (14-lb.); 3s. 1½d. (28-lb.). **SODIUM**, ¾d. per lb. extra; **AMMONIUM**, 2½d. per lb. extra; powder, 2d. per lb. extra.

**BUCINE.**—Makers quote at the following rates per oz.: **ALKALOID.**—Under 25 oz., 1s. 4½d. 25 oz. and under 100 oz., 1s. 4d.; 100 oz. and under 500 oz., 1s. 3½d. **NITRATE** and **SULPHATE.**—Under 25 oz., 1s. 3½d.; 25 oz. and under 100 oz., 1s. 3d.; 100 oz. and under 500 oz., 1s. 2½d.

**CITRATES.**—Makers' prices per lb. for **POTASSIUM**, in lots of 28 lb.—1 cwt., are as follows (containers in brackets): 3s. 2½d. (1-lb.); 3s. 1d. (4-lb.); 3s. (7-lb.); 2s. 11½d. (14-lb.); 2s. 11d. (28-lb.). **IRON** and **AMMONIUM** (SCALES), B.P., is at 3d. per lb. above, and **SODIUM** is at 1d. per lb. below these prices.

**CODEINE.**—Makers' prices per oz. are as follows: **ALKALOID.**—½ oz., 48s. 3d.; 1 oz., 45s. 9d.; 2 oz., 44s. 3d.; 3 oz., 43s. 6d.; 4 oz., 43s. 3d. **HYDROCHLORIDE.**—½ oz., 42s.; 1 oz., 39s. 6d.; 2 oz., 38s.; 3 oz., 37s. 3d.; 4 oz., 37s. **PHOSPHATE.**—½ oz., 37s. 9d.; 1 oz., 35s. 3d.; 2 oz., 33s. 9d.; 3 oz., 33s.; 4 oz., 32s. 9d.

**CREAM OF TARTAR.**—British makers' quotations are steady at 262s. per cwt., less 2½ per cent. discount.

**DIAMORPHINE.**—Current rates per oz. for small quantities are as follows: **ALKALOID.**—½ oz., 54s.; 1 oz., 51s. 6d.; 2 oz., 50s.; 3 oz., 49s. 3d.; 4 oz., 49s. **HYDROCHLORIDE.**—½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

**ETHERS (METHYLATED).**—Makers' prices per lb., in Winchester quarts, are as follows: 0·750, 1s. 5½d.; 0·735, 1s. 5½d.; 0·730, 1s. 5½d.; 0·725, 1s. 7½d.; 0·725 (triply rectified), 2s. 0½d.; 0·720, 1s. 8½d.; 0·717, 2s. 2½d.; 0·720, B.P. (not for anaesthesia), 1s. 10d.

**ETHYLMORPHINE.**—Prices per oz. for small quantities are as follows: **ALKALOID**, 51s.; 1 oz., 48s. 6d.; 2 oz., 47s.; 3 oz., 46s. 3d.; 4 oz., 46s. **HYDROCHLORIDE**, ½ oz., 43s.; 1 oz., 40s. 6d.; 2 oz., 39s.; 3 oz., 38s. 3d.; 4 oz., 38s.

**HOMATROPINE.**—Makers' prices per oz. are as follows (prices per gram in brackets): **ALKALOID**, 1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (6s.). **HYDROCHLORIDE**, **HYDROBROMIDE** and **SULPHATE**, 1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

**IODINE PREPARATIONS.**—Prices per lb. for the home market are as follows: **POTASSIUM IODIDE**, B.P.—112 lb., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. **SODIUM IODIDE**, B.P.—

28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d. 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. **LODOFORM**, B.P.—28 lb., 12s. 10d.; 14 lb., 13s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. **LODOFORM CRYSTALS.** 2s. per lb. above powder prices. **IODINE RESUBLIMED**, B.P.—112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 10d. 4 lb., 13s. 9d.; smaller quantities, 14s. 0d. per lb.

**MAGNESIUM TRISILICATE.**—Makers quote for the home market, in quantities of 28 lb.—1 cwt. as follows (containers in brackets): 3s. 6½d. per lb. (1-lb.); 3s. 5d. (4-lb.); 3s. 4d. (7-lb.); 3s. 3½d. (14-lb.); 3s. 3d. (28-lb.).

**MERCURY IODIDES.**—The following are makers' prices per lb.: **RED**, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. **GREEN**, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. **YELLOW** less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

**MORPHINE.**—Current prices per oz. for small quantities are as follows: **ALKALOID**, ½ oz., 53s. 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 3d. 4 oz., 48s. **HYDROCHLORIDE**, ½ oz., 43s. 9d. 1 oz., 41s. 3d.; 2 oz., 39s. 9d.; 3 oz., 39s. 4 oz., 38s. 9d.

**PHENOLPHTHALEIN.**—Steady at makers' prices. Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

**PILOCARPINE.**—Quotations per oz. are as follows: **BASE**, 1 oz., 27s.; 4 oz., 21s. 3d. 4 oz., 20s. 9d.; 25 oz., 20s. 3d.; **NITRATE**, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

**POTASSIUM PERMANGANATE.**—Makers quote at 1s. 10d. per lb., for B.P. quality.

**SODIUM BENZOATE.**—Steady at 2s. 9d. to per lb., according to quantity.

**STRYCHNINE SALTS.**—Makers' prices have been advanced by 9d. per oz. The new schedule is as follows:—

Compound	Under 25 oz.	25 oz. and under 100 oz.	100 oz. and under 500 oz.
Alkaloid, crystalline ..	5 8	5 6	5 4
Alkaloid, precipitated ..	5 8	5 6	5 4
Acetate .. .. .	5 11	5 9	5 7
Arsenate .. .. .	5 11	5 9	5 7
Arsenite .. .. .	5 11	5 9	5 7
Bisulphate .. .. .	4 10	4 8	4 6
Hydrochloride .. ..	5 5	5 3	5 1
Hypophosphite .. ..	9 2	9 0	8 10
Nitrate, crystalline ..	5 5	5 3	5 1
Nitrate, powder .. ..	5 5	5 3	5 1
Nitrate, powder, No. 2 ..	4 8	4 6	4 4
Phosphate .. .. .	6 8	6 6	6 4
Sulphate, neutral, cryst. powder .. .. .	5 0	4 10	4 8
Sulphate, neutral, powder, No. 2 .. .. .	5 0	4 10	4 8
Sulphate, neutral, powder, No. 2 .. .. .	4 5	4 3	4 1

Terms and conditions are unaltered.

**SULPHANILAMIDE.**—Current prices range from 10s. 6d. to 12s. 6d. per lb., according to quantity.

**TARTARIC ACID, B.P.**—British manufacturers quote at 3s. 1½d. per lb.

**VANILLIN.**—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d., less than 56 lb., 21s. 9d.

## Crude Drugs

**AGAR.**—Under a new Order (S. R. & O., 1943, No. 1740) which came into force on December 28, 1943, agar and certain similar specified substances are now under statutory control, and no person may acquire any of these substances except under licence. Further, it is illegal to dispose of agar except to a person holding a licence to acquire, or under the authority of a direction from the Minister of Supply. The aim of the Order is to conserve stocks of agar for the preparation of bacteriological media. The use of controlled material for other purposes is also prohibited except under a licence or direction from the Minister of Supply. All persons holding stocks greater than 4 lb. must furnish a return to the Director of Medical Supplies, Ministry of Supply, Portland House, S.W.1, within twenty-one days. The maximum price of the controlled material is 30s. per lb. Irish moss (*Chondrus crispus*), and any material which before the date of this Order was so treated as to be unfit for bacteriological use, are exempt. Copies of the Order, the Control of Agar (No. 1) Order, 1943, may be obtained from H.M. Stationery Office, York House, Kingsway, London, W.C.2, or through any bookseller, price 1d.

**ALOES.**—No spot supplies of Cape remain; price indicated from source is 75s. per cwt., c.i.f. Curaçao, spot, 480s. per cwt.

**ANTIMONY.**—English minimum 99 per cent. regulus, steady at £120 per ton, delivered, with supplies reserved for essential purposes; 70 per cent. crude, for the home trade, £100 per ton, delivered.

**ARECA NUTS.**—Supplies may be obtained on spot at 115s. per cwt.

**BALSAMS.**—Spot supplies of *Tolu* appear to be exhausted; *Canada*, 10s. 6d. per lb.; *Peru*, 8s. 3d., duty paid; *Copaiba*, unobtainable.

**BELLADONNA.**—Indian leaf is quoted on spot at 5s. 3d. to 5s. 6d. per lb.; Indian root, 4s. to 4s. 6d. per lb., both according to test.

**BENZOIN.**—Sumatra block continues to sell slowly on spot at £25 per cwt. Free "almonds," £35. Supplies for non-pharmaceutical purposes require the consent of the Director of Medical Supplies.

**BUCHU.**—No change in the position as previously outlined.

**CAMPHOR.**—Small supplies of Chinese crude may be obtained by approved buyers at 10s. per lb.; B.P. is at 11s. 6d. Some Japanese slabs, apparently from storage, are reported to have been offered on spot at 14s. per lb.

**CARDAMOMS.**—Quiet conditions continue, with no price changes. Aleppy greens, spot, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

**CASCARA SAGRADA.**—No change in the position as previously outlined.

**CHAULMOOGRA.**—*Hydnocarpus*, spot, tins in cases, 1s. 6d. per lb.

**CHILLIES.**—Mombasa, spot, 120s. per cwt.; no other varieties are available at present.

**CLOVES.**—Zanzibar is quoted on spot at the unchanged price of 1s. 5½d. per lb.; second-quality, to arrive, 10d. per lb., c.i.f., sellers.

**COCHINEAL.**—Blacks may be obtained for medicinal use only at 4s. 6d. per lb.

**COCOA BUTTER.**—No change in the maximum official price of 1s. 5½d. per lb., ex factory or warehouse. Sales can be made at other prices under Ministry of Food licence.

**COCONUT (DESICCATED).**—Price is fixed by Ministry of Food Order at 49s. per cwt.

**COLOCYNTH.**—Supplies of fine white pulp may be had on spot at 3s. 3d. per lb., duty paid.

**DIGITALIS LEAVES.**—Portuguese leaves are quoted on spot at 135s. per cwt.; English-grown leaves, 2s. 6d. per lb.

**DRAGON'S BLOOD.**—Dull Zanzibar drop is the only variety available at present; price, £21 per cwt., spot.

**ERGOT.**—Firm but unchanged. Spot, sound, 5s. 9d. per lb.; wormy, 5s. 6d.; shipment, 4s. 9d. per lb., c.i.f.

**GALANGAL ROOT.**—Quoted at 105s. per cwt., in bond Liverpool.

**GUM ACACIA.**—Spot quotations for Kordofan cleaned sorts are lower at 82s. 6d. per lb.; bleached, shipment, 140s., c.i.f.; Talha, cleaned, 50s. per cwt., landed.

**IPECACUANHA.**—No spot supplies available at present. Current prices of EXT. IPECAC. LIQ. are as follows: Winchesters, B.P., 1932, under three, 32s. 6d. per lb.; three and under six, 32s.; six and under twelve, 31s. 6d.; twelve and over, 31s.; B.P., 1914, under three, 30s. 6d.; three and under six, 30s.; six and under twelve, 29s. 6d.; twelve and over, 29s. per lb.; all prices quoted are on a net basis.

**JALAP.**—There appears to be no Brazilian root left in first hands. No further licences are being issued.

**KAMALA.**—About 1s. 9d. per lb. is quoted by dealers for material testing approximately 5 per cent.

**LIQUORICE ROOT.**—Russian root may be had by approved buyers for pharmaceutical purposes at 75s. per cwt.; cut Russian root, for non-pharmaceutical purposes, 96s. 6d. per cwt.

**MENTHOL.**—Unchanged, with a possibility of small lots being available at 95s. per lb.

**MERCURY.**—Official spot quotations range from £68 10s. to £69 15s. per flask, according to conditions and quantity, with higher rates for smaller lots and redistilled grades.

**MYRRH.**—Good-quality Aden sorts may be obtained on spot at £20 per cwt.



**NUTMEGS.**—West Indian, spot, wormy and broken, 1s. 5d. per lb.; sound unassorted, 1s. 8d.

**NUX VOMICA.**—Steady and unchanged. Washed and garbled Cochín, spot, 42s. 6d. to 45s. per cwt., according to seller; shipment, 35s., c.i.f. Cocanada, spot, 37s. 6d. per cwt.; shipment, 32s. 6d., c.i.f.

**ORANGE PEEL.**—Spot quotations for Spanish bitter quarters are steady at 4s. 3d. per lb.; good-quality thin-cut, 4s. 6d.

**PEPPERS.**—The Minister of Food has made the Pepper Order, 1943, which came into effect on January 1, 1944, and which consolidates the Pepper (Control and Maximum Prices) Order, 1941, and its amendments. No changes have been made in the maximum prices of pepper or conditions of sale.

**PIMENTO.**—Sellers on spot at 1s. 9d. per lb.; shipment prices are not quoted.

**QUILLAIA BARK.**—Crushed or cut bark, spot, 90s. per cwt.; natural, 70s.; afloat, 60s., c.i.f.

**RHUBARB.**—Rough-round, spot, 8s. per lb.; flat, high-dried, rough-coat, 8s. 3d. Shensi pickings, 11s.

**SARSAPARILLA.**—Red native is available on spot at 4s. 3d. per lb.

**SEEDS.**—Few inquiries have been received; prices unchanged. **CORIANDER.**—Indian, 80s. per cwt. **CUMIN.**—Maltese, spot, 120s.; Indian, 110s. **DILL.**—167s. 6d., ex wharf Glasgow; 160s. ex wharf London. **FENNEL.**—Nominal at 87s. 6d. **FENUGREEK.**—May be had at 80s. **MUSTARD.**—Controlled prices are unchanged.

**SENNA.**—Quiet and without price alteration. Alexandrian medium pods are at 3s. 9d. to 4s. per lb.; Tinnevely, manufacturing grade, 6d. to 7½d.; hand-picked, 10d. to 1s. 6d.; broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

**SQUILL.**—Portuguese is quoted on spot at 80s. per cwt.; Indian, 72s. 6d.

**STRAMONIUM LEAVES.**—Dealers' quotations are steady at 95s. per cwt., ex store.

**STROPHANTHUS.**—Kombé 100 per cent. seed may be had from dealers at 10s. to 10s. 6d. per lb., according to quantity.

**TRAGACANTH.**—The principal medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, from £12 to £15.

**TURMERIC.**—Neglected, prices unchanged. Sound Madras finger, spot, 50s. per cwt.; wormy, 47s. 6d.

**VALERIAN ROOT.**—Indian root may be obtained on spot at 100s. per cwt., ex store.

**WAXES.**—**BEES.**—Obtainable only through the Association of Merchant Distributors of Beeswax. **CARNAUBA.**—Fatty grey, spot stocks becoming scarce, price rather higher at 430s. per cwt.; Primeira, 535s. per cwt.

## Essential and Expressed Oils

**ANISE (STAR).**—Spot, 80s. to 85s. per lb., if available.

**BAY.**—Any available spot supplies would be worth approximately 12s. 6d. per lb.

**BOIS DE ROSE.**—Spot value of any available supplies would be in the region of 47s. per lb.

**CAJUPUT.**—Spot supplies are small; value about 15s. per lb.

**CLOVE.**—Genuine B.P. oil is quoted by English distillers at from 11s. 6d. to 12s. per lb., according to quantity.

**COCONUT.**—Bulk supplies of refined deodorised are officially quoted at £49 per ton, and refined hardened deodorised at £53, both naked ex works.

**CINNAMON.**—Leaf oil would fetch about 15s. 6d. per lb., if available on spot.

**EUCALYPTUS.**—Oil containing 70 to 75 per cent. cineole would be worth about 5s. 9d. per lb., in drums; 80 to 85 per cent., approximately 6s.

**GERANIUM.**—North African oil is quoted on spot at 85s. to 90s. per lb., according to quantity.

**GINGER.**—English-distilled oil is priced on spot at approximately 90s. per lb.

**LEMONGRASS.**—If available on spot, price would be in the region of 13s. 6d. per lb.

**LINSEED.**—As noted last week (p. 25), price of bulk supplies has been increased by £10 per ton to £60 per ton, naked ex works.

**NUTMEG.**—Oil from West Indian nutmegs is quoted on spot at about 42s. per lb.

**PETITGRAIN.**—Spot supplies are limited; price about 25s. per lb.

**RAPESEED.**—As noted last week (p. 25), bulk price has been advanced by £10 per ton to £70 per ton, naked ex works.

**ROSEMARY.**—Any available spot supplies would be worth about 16s. per lb.

**Controlled Essential Oils.**—The following is the current schedule of prices for controlled essential oils. Prices are per lb., for oils delivered to consumer in original packages.

Lemon, cold-pressed	18s. 10½d.
Lemon, distilled	14s. 4d.
Peppermint	36s. 4d.
Grapefruit	18s. 2d. (incl. duty)
Sassafras	11s. 3¼d. (plus 1s. duty)
Caraway	20s. 4½d. (plus 1s. 10d. duty)
Wormseed	15s. (plus purchase tax where payable)
Cedarwood	3s. 1d. (plus 3d. duty)
Nutmeg	22s. 3d. (plus 2s. duty)
Fennel	11s. 3½d. (plus 1s. duty)
Coriander, Russian	127s. (plus 11s. 6d. duty)
Geranium, Bourbon	25s.
„ (Ministry oil)	24s. 6d.
Orange oil, Jamaica	23s. 6d.
Vetivert	37s. 7d. (plus 3s. 5d. duty)

## TRADE MARKS

(From "The Trade Marks Journal,"  
December 8, 1943)

- "FLORENTEAU"; for non-medicated toilet creams (3). "ROYAGEN"; for pharmaceutical preparations (5). By F. C. Baines, 420 Wilbraham Road, Chorlton-cum-Hardy, Manchester. 625,039-37.
- "CLOISTER"; for all goods (5) except sanitary clothing and menstruation appliances (5). "JECTABS"; for pharmaceutical preparations in tablet form (5). By J. E. Cross, 71 Hounds Gate, Nottingham. 623,900; 623,903 (both Associated).
- "BRANOG"; for medicines and medicated tonic preparations, all for dogs (5). By Boyle's Medical Hall, Ltd., 1 Broadway, Belfast. 624,951.
- "MEDISCRIPTS" and "PREMTONE"; for pharmaceutical preparations (5). By A. Harding, 417 Hempshaw Lane, Stockport, Cheshire. 625,040-43.

(From "The Trade Marks Journal,"  
December 15, 1943)

- "TANIZA"; for make-up, make-up remover, preparations for preventing and alleviating sunburn and for tanning the skin (3). By E. Ratcliffe, 14 Ealing Road, Wembley. 624,115.
- "FANTAISIE"; for perfumes, non-medicated toilet preparations, etc. (3). By Morny, Ltd., 64 Wadsworth Road, Perivale, Middlesex. 624,722 (Associated).
- "NOMOMOT," with device of moth (device of moth disclaimed); for moth repelling and destroying preparations (5). By Lewis (Import & Export), Ltd., 38 Great Portland Street, London, W.1. B623,919 (Associated).
- "SECTSTROYD"; for insect-destroying preparations (5). By Germstroyd Products, Ltd., Anchor Works, Asfordby Street, Leicester. B624,689 (Associated).
- "MELIO"; for all goods (5) except medicated wines and medicated toilet paper. By Koray, Ltd., 56 Gamage Building, Holborn, London, E.C.1. 624,838.
- "CELEZONE" and "CELEZENE"; for pharmaceutical preparations for human and veterinary use, sanitary substances and disinfectants (5). By Cellon Laboratories, Ltd., 380 Richmond Road, Kingston-on-Thames. 624,972-73 (Associated).
- "PAPARIN," "PERHALAN" and "TRANSHALAN"; for pharmaceutical substances and preparations (5). By A. T. Hanson, 74 and 75 Cheapside, London, E.C.2. 625,693-95-96.
- "PLASCRIIN"; for surgical dressings (5). By Benjamin Lees & Co., Ltd., Ashley Mill, Ashley Street, Oldham. 625,757.
- "VIROTABS"; for pharmaceutical tonic tablets (5). By M. Calthorpe & Co., Ltd., Dewsbury Road, Ossett, Yorks. 625,760.
- "CORABIOSE"; for pharmaceutical substances for human and veterinary use, sanitary substances and disinfectants (5). By Society of Chemical Industry in Basle, 141 Klybeckstrasse, Basle, Switzerland. 625,765.

"SULPHURILLA"; for pharmaceutical preparations consisting principally of sulphur (5). By The Dubarry Perfumery Co., Ltd., Goldstone Laboratories, Hove Park Villas, Hove, Sussex. 625,772.

(From "The Trade Marks Journal,"  
December 22, 1943)

- "HOLOYD"; for perfumery, essential oils, dentifrices, hair lotions, and cosmetic preparations (not being toilet preparations) (3). By H. O. Lloyd, 10-11 Suffolk Parade, Cheltenham. 623,503 (Associated).
- "LANCREEM"; for hair cream (3). "LANBRILL"; for brillantine (3). By W. Smith, 5 King Street, Alfreton, Derbyshire. 625,203-04 (Associated).
- "RESTATUS"; for non-medicated toilet preparations, etc. (3). By British Commercial Developments, Ltd., Norwich House, Southampton Street, London, W.C.1. 625,406 (Associated).
- "CLOTH OF GOLD"; for perfumes, non-medicated toilet preparations, etc. (3). By The Stenhouse Pills, Ltd., Ashfield, Oxford Road, Guiseley, nr. Leeds. 625,466.
- "ELCOSAN"; for sanitary preparations for household and industrial use (5). By The Elephant Chemical Co., Ltd., 171-73 Neate Street, London, S.E.5. 623,404.
- "DOX"; for insecticides for spraying interior spaces (5). By Paton, Calvert & Co., Ltd., Binns Road, Old Swan, Liverpool, 13. 623,678 (Associated).
- "OMEX"; for sanitary towels, bandages, dressings, plasters, cellulose wadding and toilet paper (5). By A. Carus & Sons, Ltd., Hoddlesden Mills, Johnson Road, Hoddlesden, Darwen. 624,815 (Associated).
- "HITKARNI"; for pharmaceutical preparations (5). By Dewan Chand Varma, 82 Park Mansions, London, S.W.1. 625,171.
- "JESTS"; for medicinal preparations for human and veterinary use, sanitary preparations, infants' and invalids' foods, plasters, dressings, bandaging material, disinfectants, weed and vermin destroyers, etc. (5). By Jestis, Ltd., 250 Argyll Avenue, Slough. 625,111 (Associated).
- "PROTANTOL" and "PRODOLEUM"; for pharmaceutical preparations for treatment of vitamin deficiency (5). By Nicholas Proprietary, Ltd., 10 City Road, South Melbourne, Victoria, Australia. 625,128-29.
- "SANBLOC" and "SANKUBE"; for all goods (5). By Harry Ibbetson, Ib-co Works, Great North Road, Stevenage, Hertfordshire. 625,261-62 (Associated).
- "INSOFF"; for insect-repelling preparations (5). By The Green Circle Products, Ltd., Old Basford Mills, Alpine Street, Old Basford, Nottingham. 625,287 (Associated).

**The Next Six Months.**—The maximum collection of all descriptions of waste paper is vital to the country's war effort.



## CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

### Learned or Otherwise?

SIR,—From Topical Reflections in the current issue of *THE CHEMIST AND DRUGGIST* (p. 3) I gather that Xrayser does not agree with me that the Society is not a learned society. My idea of a learned society is one whose sole object is the advancement of knowledge and I would class the British Association as being a learned society. The Pharmaceutical Society, the professional associations and the trades unions who have professional, commercial or political interests and whose members are educated to do a particular job of work are not, in my opinion, learned societies. If the Society is not a learned society, is it an unlearned one?

Yours faithfully,

Stone, Staffs.

H. C. SHAW,

Hon. Treasurer, Pharmaceutical Society of Great Britain.

### Apprentices' Prospects

Sir,—In view of the remarks made recently to the effect that apprenticeship in pharmacy was not necessary and could not secure proper training for the pharmacist, it might be interesting to your readers to know that the following honours were gained by Boots' apprentices during 1943:—

Jacob Bell Memorial scholarship .. ..	Miss E. M. Dickinson
Manchester Pharmaceutical Association scholarship .. ..	Mr. K. W. McVitty
One Leverhulme scholarship .. ..	Mr. K. E. Parsons
One Nottingham University studentship ..	Mr. B. K. Martin
Anthony McMillan prize ..	Mr. C. Carey
Duncan Memorial prize ..	Mr. C. T. Gray
Hough Hoseason prize ..	Mr. G. H. Clark
Manchester Pharmaceutical Association President's prize .. ..	Mr. G. H. Clark
Griffiths Hughes prize ..	Mr. G. E. Davies
Bronze Medal in pharmacognosy at Society's School of Pharmacy ..	Mr. D. E. Thomas
Two Silver Medals and four certificates of honour in the Pharmaceutical Chemist and B. Pharm. course ..	Mr. E. F. Wilkinson

The Jacob Bell scholarship has been won by Boots' apprentices four times during the last five years.

For Boots Pure Drug Co., Ltd.,  
Nottingham. R. A. CAPRILES.

### "C. & D." Diary Appreciations

I wish to thank you very much indeed for sending me *The Chemist and Druggist Diary and Year Book*, 1944. I greatly appreciate it.—T. K., Leeds.

I greatly appreciate your having sent me a copy of the *C. & D. Diary and Year Book*. Like everyone else, I always find this most useful.—H. A. B., London, E.C.4.

Many thanks for your courtesy in sending copy of *The Chemist and Druggist Diary*, on the production of which you are to be highly congratulated.—A. C. Liverpool.

Thank you very much for *The Chemist and Druggist Diary* for 1944. This is always useful and, in the fifth year of the war, quite a wonderful production.—D. R. B., Boreham Wood.

Allow us to express our thanks for the excellent *Diary* you have sent us today; and to offer you our congratulations on a magnificent production, especially in war-time.—E. P., Ltd., London, E.C.4.

Please allow us to thank you for the magnificent issue of *The Chemist and Druggist Diary and Year Book*, 1944. We have no doubt that we shall find it as useful as the previous issues.—A. M. B. Rawdon.

We wish to thank you for the two copies of the *C. & D. Diary and Year Book*, which we shall find most interesting. We have forwarded one copy to one director of active service with the R.A.F.—H. B. London, W.3.

Your "Super" *C. & D. Diary and Year Book* has arrived this evening. I have immediately made use of the Buyer Guide. The book is worth its weight in gold—even at its present high cash value!—W. P., Bromley Common.

If not too late, may I congratulate you on your excellent *Diary* for 1944; also, as a member of your largest advertisers, of the neatest set of advertisements I have ever seen in a trade publication. Your issue of December 25, 1943, too, contains most readable matter—the articles on Colonel Blimp and on Alice and the Duchess are as good as a tonic.—S. E. A., London, S.E.5.

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**MULTIVITE is now issued in TINS OF 75 PELLETS  
in place of bottles of 50**

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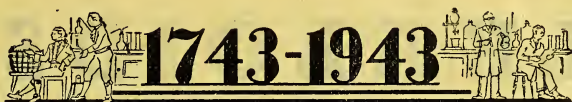
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Attractive 2 oz. Pots.

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**‘AVLON’***brand of***PHEMITONE B.P.**

Phemitone (a derivative of barbituric acid) has been recommended for the control of the incidence of epileptic fits. It is less likely to produce drowsiness and sleep than other barbiturates.

As Phemitone has antispasmodic properties it has been suggested for administration in migraine and whooping cough.

Further information will be forwarded on request.

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The distribution of 'ASPRO' in Bonus Parcels has proved beneficial and acceptable to chemists. Unfortunately, owing to restricted supplies of raw materials and the heavy requirements of the Services, particularly those overseas, we are temporarily unable to supply in full the very great and rapidly increasing public demand. It is apparent that adherence to the existing minimum bonus parcels of 6 doz. 5's, and 3 doz. 27's is hindering the distribution of the restricted supplies as evenly and widely as is desirable. To overcome this and to avoid chemists suffering loss of Bonus through receiving smaller quantities than their order,

## AS FROM 1st JANUARY, 1944 THE MINIMUM PARCEL TO RANK FOR BONUS WILL BE REDUCED AS FOLLOWS:—

5's—3 doz. (in new reduced size showbox) instead of 6 doz.

27's—1 doz. (to be sent loose by wholesaler) instead of 3 doz.

(Paper Control Regulations preclude a showbox for 1 doz. 27's.)

Bonus is still available on any multiples of the above parcels but not on lesser quantities.

Shortage of man-power and packing materials prevent us sending the Bonus separately on each purchase of these new Minimum Parcels. Wholesalers will continue to advise us of these sales. We will record them, and PERIODICALLY SEND BONUS CLAIM CARDS when the total of the chemist's smaller parcels reaches the existing bonus quantity of 6 doz. 5's, or 3 doz. 27's.

## THE BONUS REMAINS THE SAME AS BEFORE—NAMELY:—

On 6 doz. 5's—6 x 5's On 3 doz. 27's—6 x 27's  
THE PRICES ARE UNCHANGED. BONUS CONDITIONS ARE UNCHANGED, NAMELY, 14 DAYS WINDOW DISPLAY OF 'ASPRO' SHOW MATERIAL FOR EACH BONUS CLAIM.

The change referred to above is intended as a temporary wartime measure to meet the urgent needs of the situation. As soon as practicable, when conditions return to normal, we intend to revert to previous quantities and procedure.

Separate arrangements are made so that Eire and Northern Ireland chemists may benefit from similar concessions. For details see Irish Trade Press

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Overtiredness is pretty general nowadays. What's your advice when customers ask you to prescribe for it? Every thinking citizen is thankful that our rations are as good as they are. Nevertheless, the public is well aware that the thing that would do them most good is more nourishment—in particular more fats of the right sort. And there's absolutely no reason why they shouldn't have it.

## There's plenty

SevenSeaS Cod Liver Oil is a far richer and more concentrated protective food than butter or eggs.

There is no shortage; supplies are now normal and should remain so throughout the winter. There are no sales restrictions; the more you sell, the better for the nation's health.

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SevenSeaS will be publicized to the fullest possible extent. Throughout the winter season advertisements will remind the public that SevenSeaS is an extremely nourishing supplementary food, just as good for adults as for growing children; that it remedies nervous exhaustion by building up depleted strength reserves and that it is readily available. Please remember this. Though supplies are normal, transport is not. It is wise to re-order in good time.

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**DESTROYS PARASITES, etc.**

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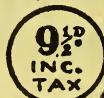
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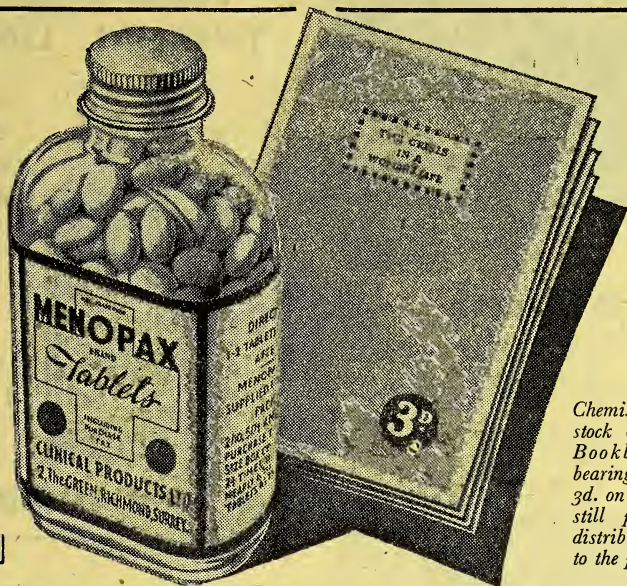
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We regret that owing to paper restrictions free distribution of "The Crisis in a Woman's Life" **TO THE PUBLIC** is no longer possible, and chemists who stock Menopax must therefore make a charge (3d. per copy) to those who ask for it. (This price is clearly marked on the cover.)

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# MENOPAX

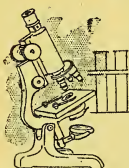
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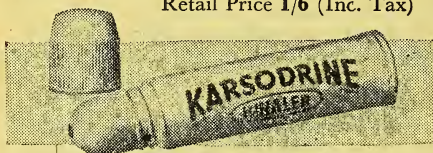
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## How to keep in Touch

The Paper Control Order and pressure of business make it impossible for us to keep the chemist as well informed about our products as we should like. We still have a few technical advisers "on the road." If you would like the man in your district to call on you please let us know. The services of our scientific and commercial departments are at your disposal.

## What are Gammas?

In response to several inquiries, the unit of weight described as a gamma has come into use in medicine since the introduction of the vitamins of very high potency. The gamma represents a thousandth part of a milligramme or a millionth of a gramme ( $\frac{1}{1000}$ th of a grain); it is also called microgramme. In cases where vitamin preparations are represented as containing gammas or microgrammes it is obvious that the content is small indeed, despite the high number value quoted. Expressed in gammas a 'Benerva' Compound tablet, for instance, can boast of 1,000 gammas (1 mg.) of ascorbic acid, 1,000 gammas of riboflavin, and 1,000 gammas of nicotinic acid amide (i.e. 1 mg.).

## Larger Doses of Riboflavin

Increased production in the Roche laboratories of riboflavin, also known as lactoflavine or vitamin B<sub>2</sub>, keeps pace with the increasing demand and makes it possible for us to introduce at economical rates a tablet of 3 mg. in addition to the 1 mg. tablet. Average daily requirements are estimated at 2 to 3 mg., therapeutic doses range from 2 mg. or 3 mg.

to 10 mg. or more daily. The packings are: 1 mg., 20's and 100's; 3 mg., 25's and 100's.

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Large doses of vitamin B<sub>1</sub> have been used in cases of itching affections of the skin, mostly in children and infants. The conditions treated included chilblains, urticaria, eczema, pityriasis rosea, scabies, measles, and chicken-pox. In some cases the relief was immediate; for example there was prompt relief in measles and chicken-pox. The cases of urticaria and eczema varied in their response. Sixty-two per cent were completely relieved of itching within a short time after the institution of treatment. (*Urolog. & Cut. Review*, Dec., 1942, 46, 786.)

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# The CHEMIST AND DRUGGIST

## SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

JANUARY 8  
1944

28, ESSEX STREET, LONDON, W.C.2

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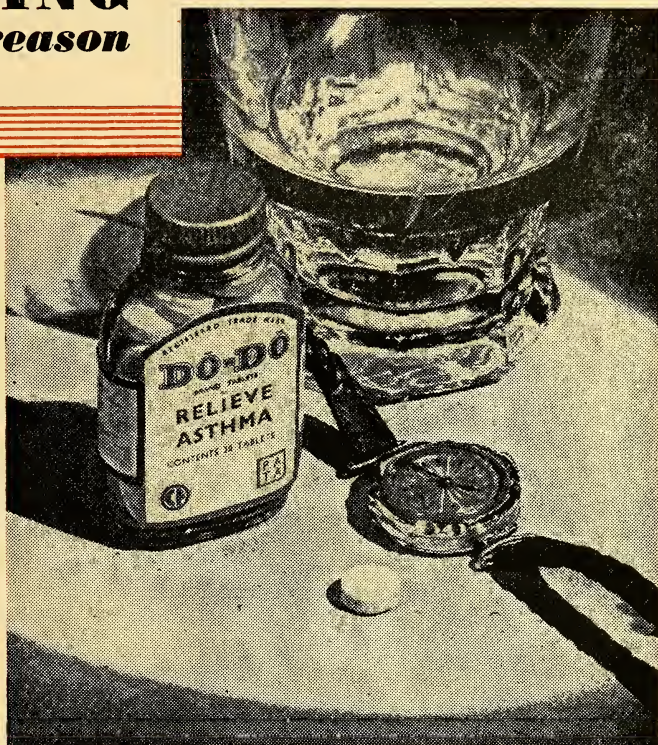
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